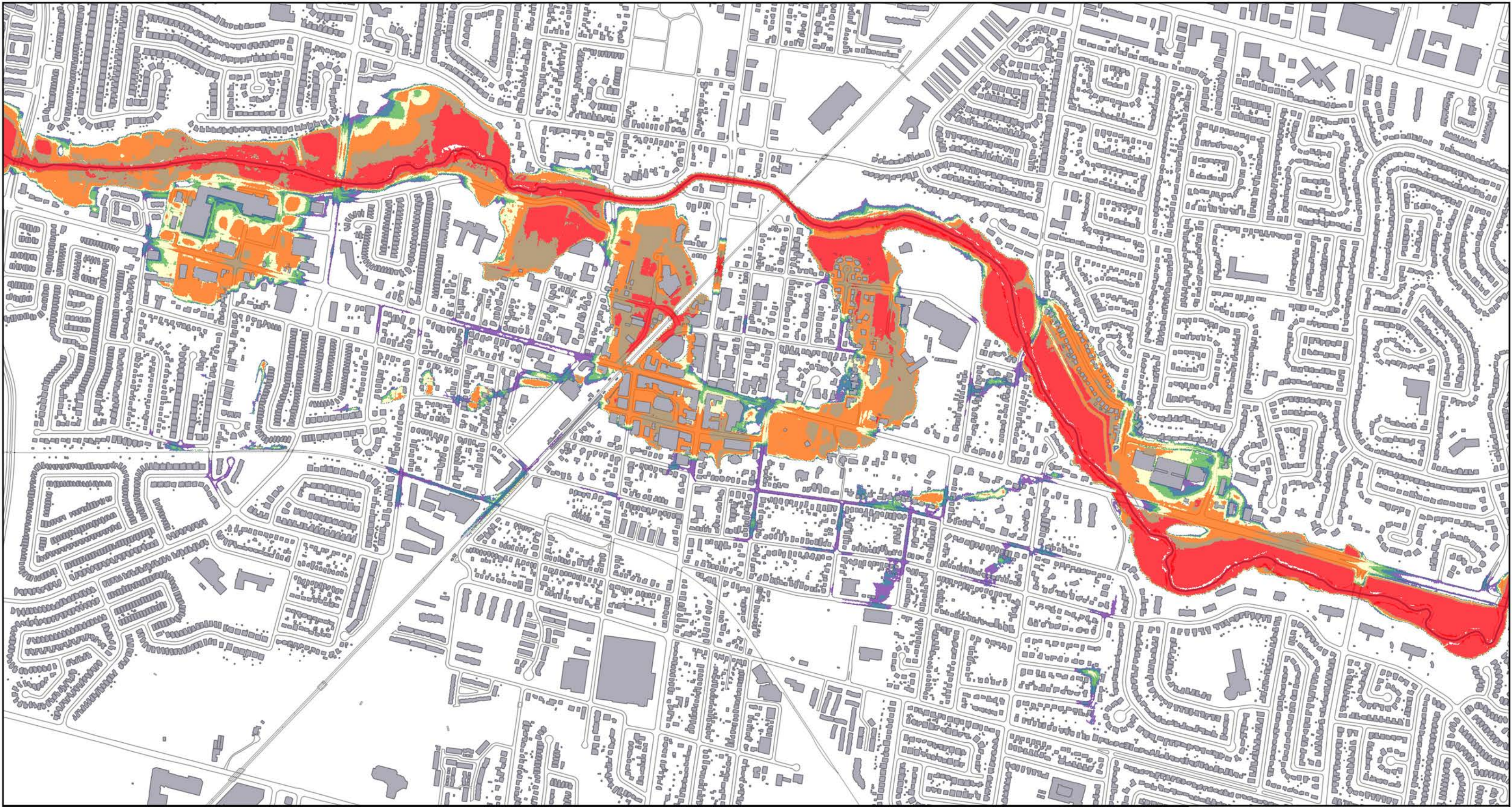




Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

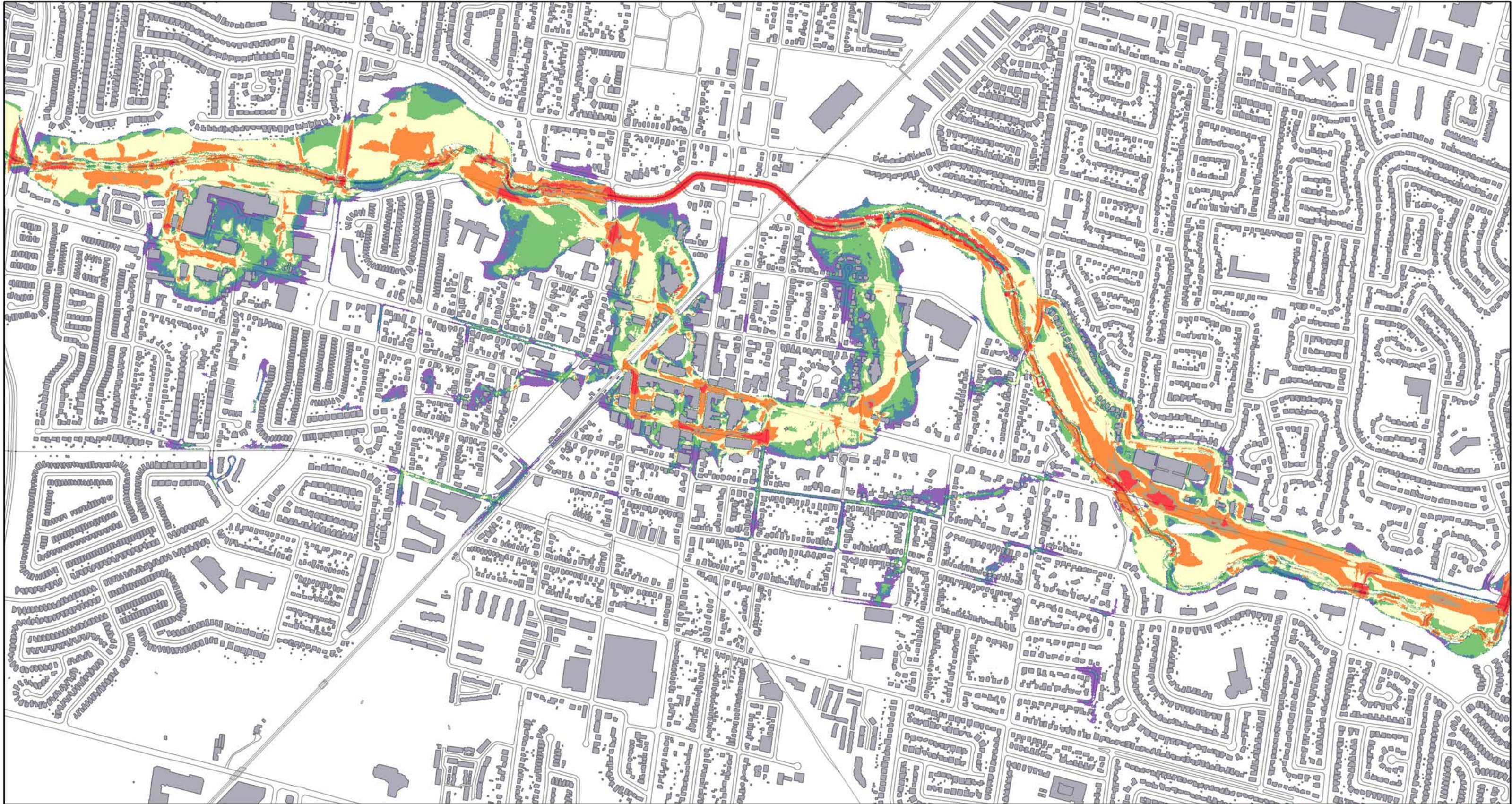
Project #22062

Regional Storm - Steady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

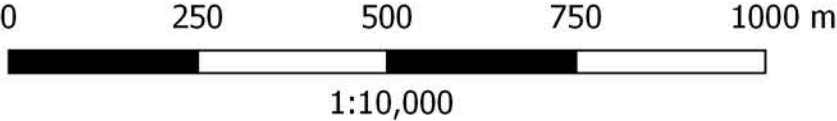
Map 1.1



Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
 <= 0.10	 1.00 - 1.70
 0.10 - 0.25	 1.70 - 2.00
 0.25 - 0.50	 > 2.00



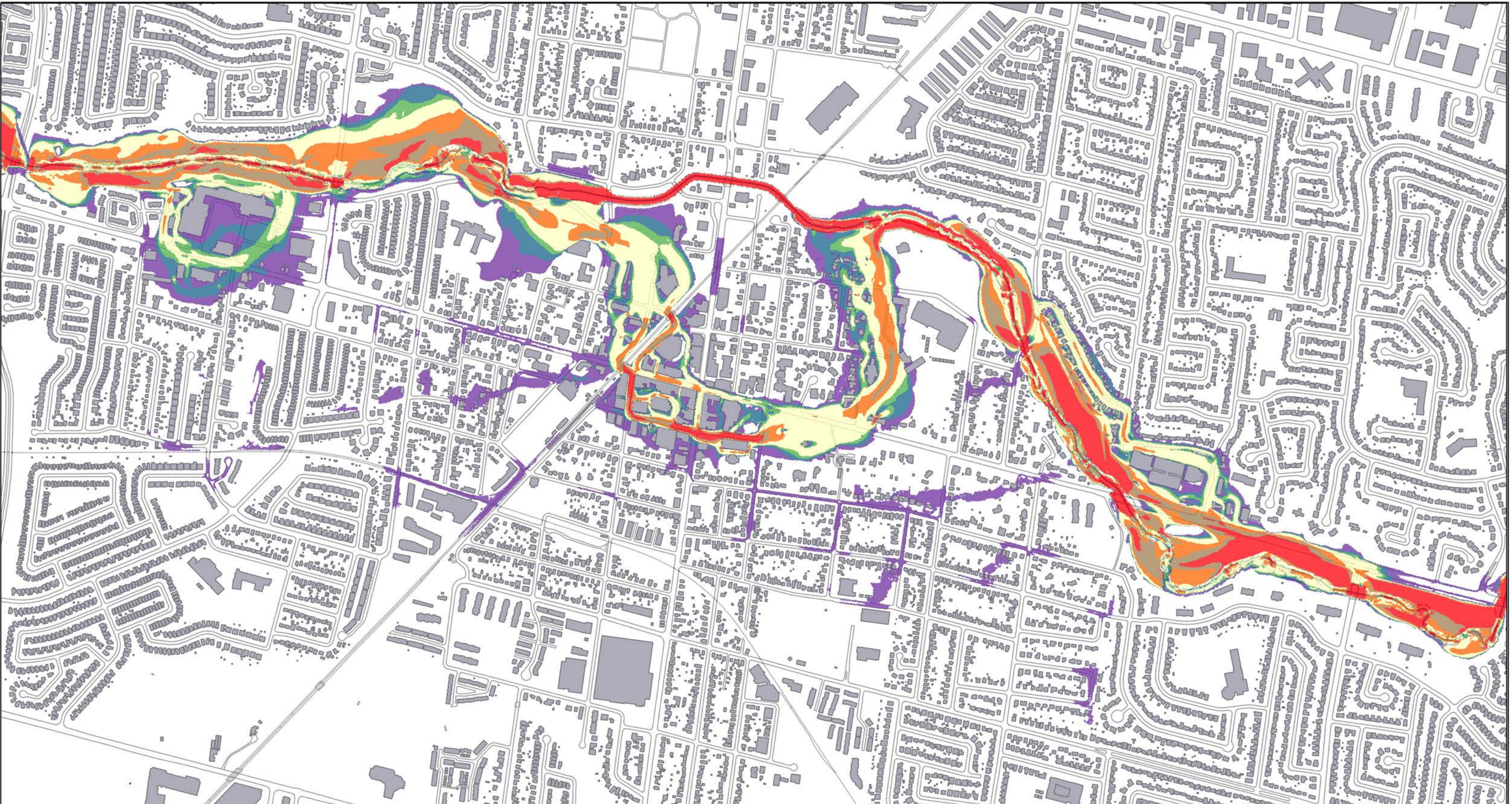
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Regional Storm - Steady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

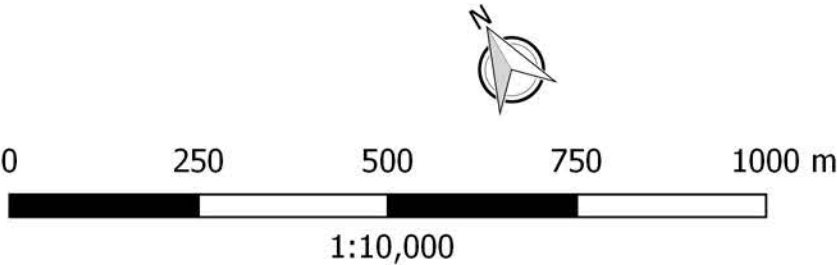
K. Molnar
K. Hofbauer
Map 1.2



Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
<= 0.10		1.00 - 1.50
0.10 - 0.25		1.50 - 2.00
0.25 - 0.370		> 2.00



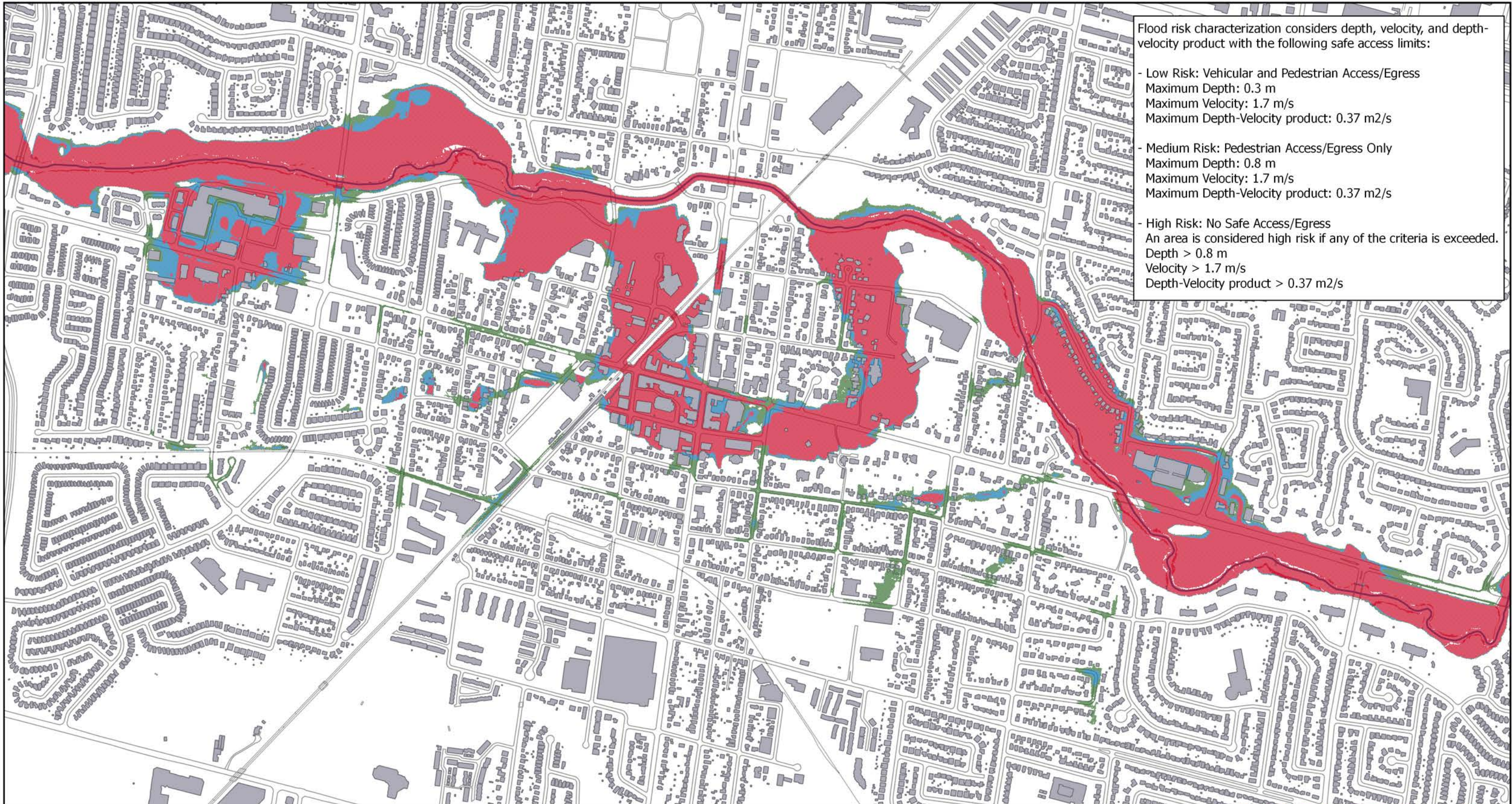
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Regional Storm - Steady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 1.3



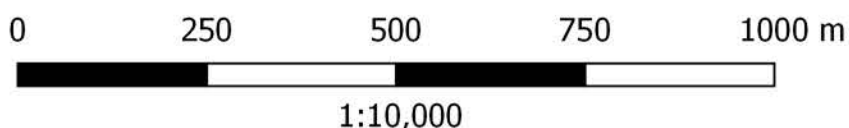
Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m2/s

Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)





Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

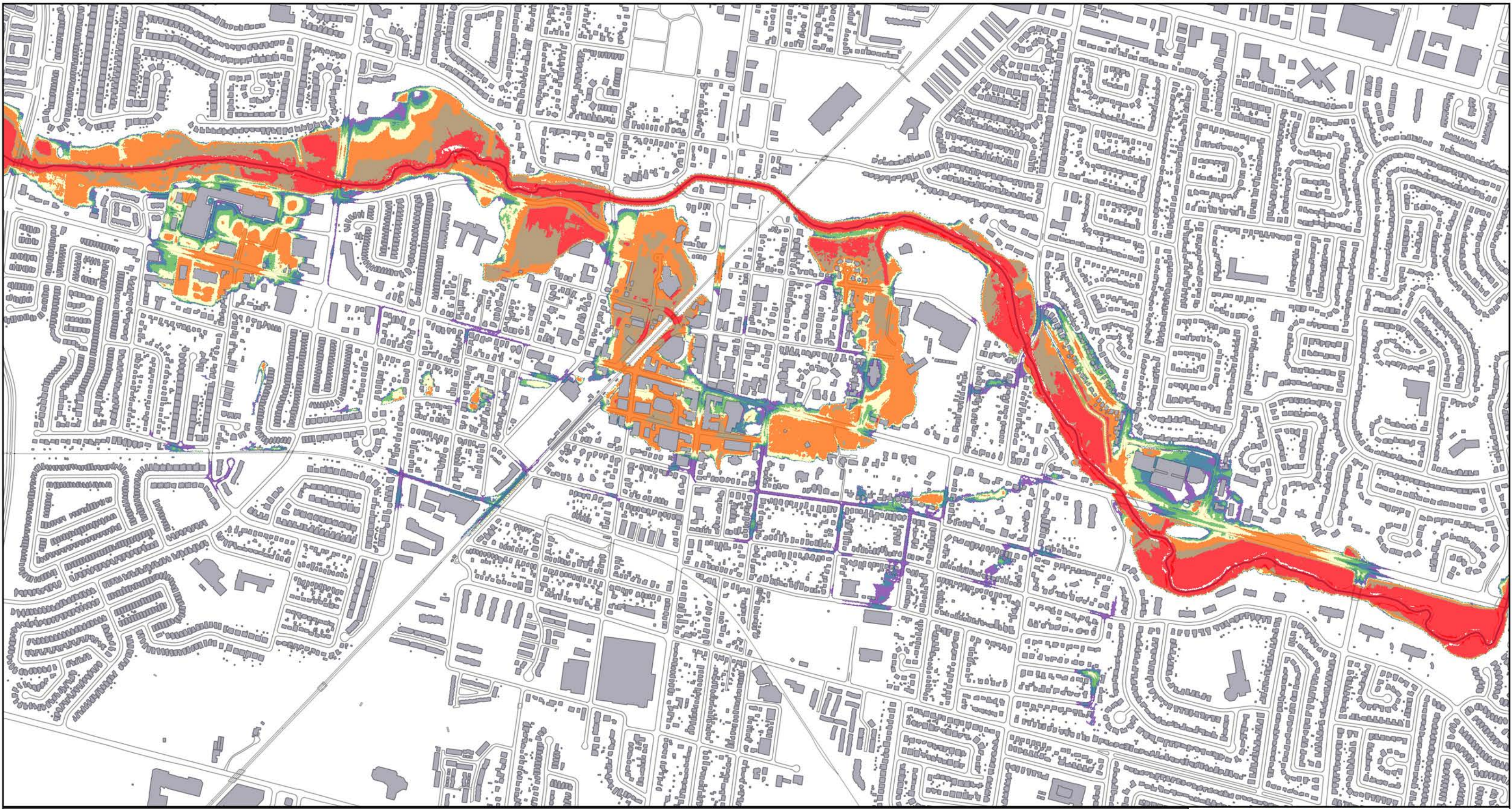
Project #22062

Regional Storm - Steady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

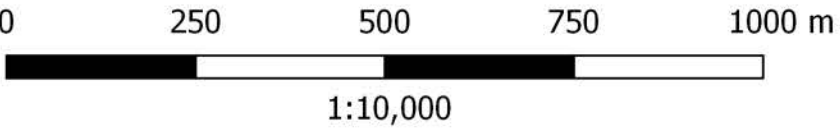
Map 1.4



Run Date: June 29, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
 <= 0.10	 0.80 - 1.50
 0.10 - 0.30	 1.50 - 2.00
 0.30 - 0.50	 > 2.00



Brampton Integrated Flood Study
MIKE FLOOD Results

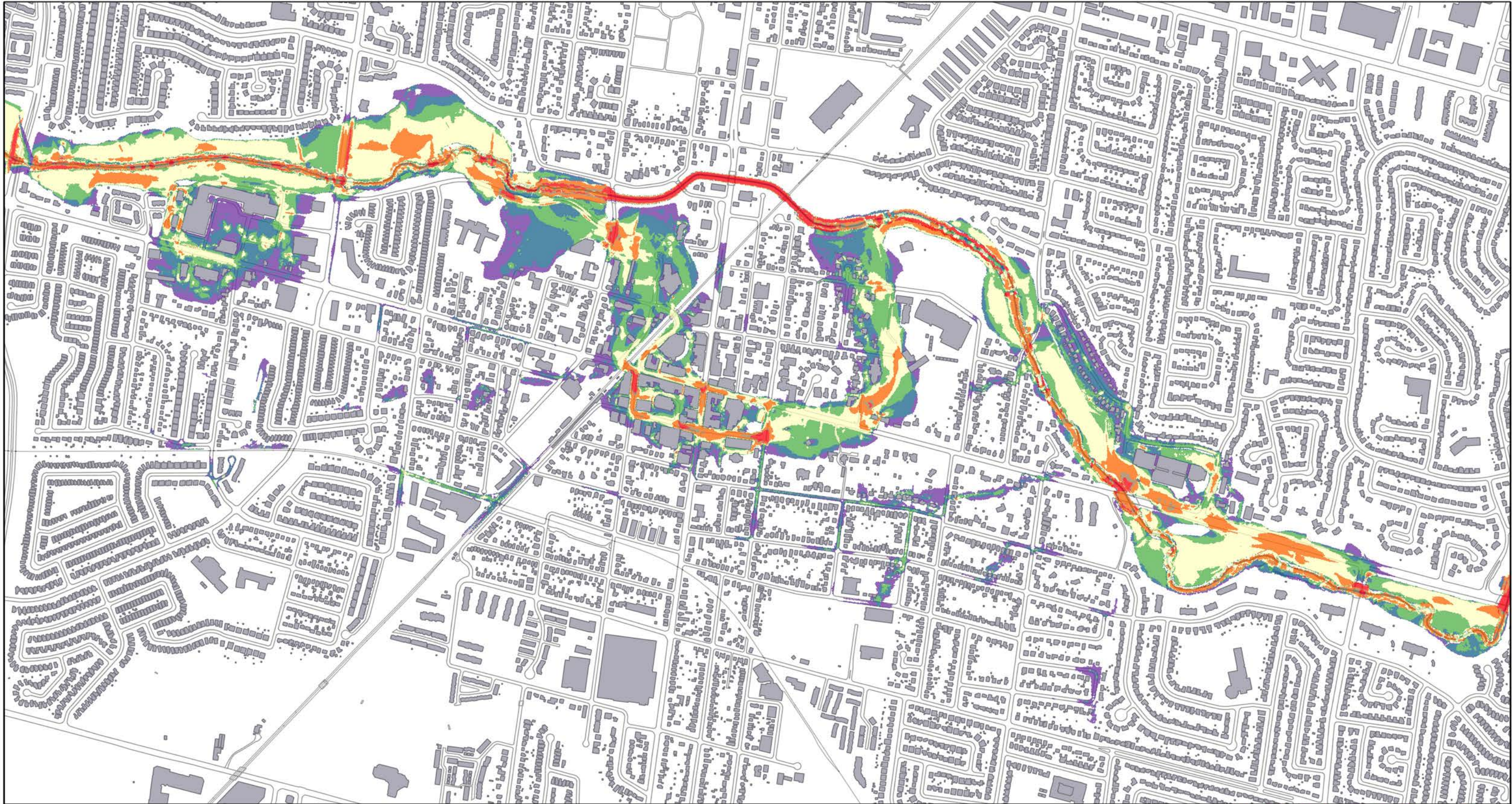
Project #22062

Regional Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 2.1



Run Date: June 29, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
 ≤ 0.10	 1.00 - 1.70
 0.10 - 0.25	 1.70 - 2.00
 0.25 - 0.50	 > 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

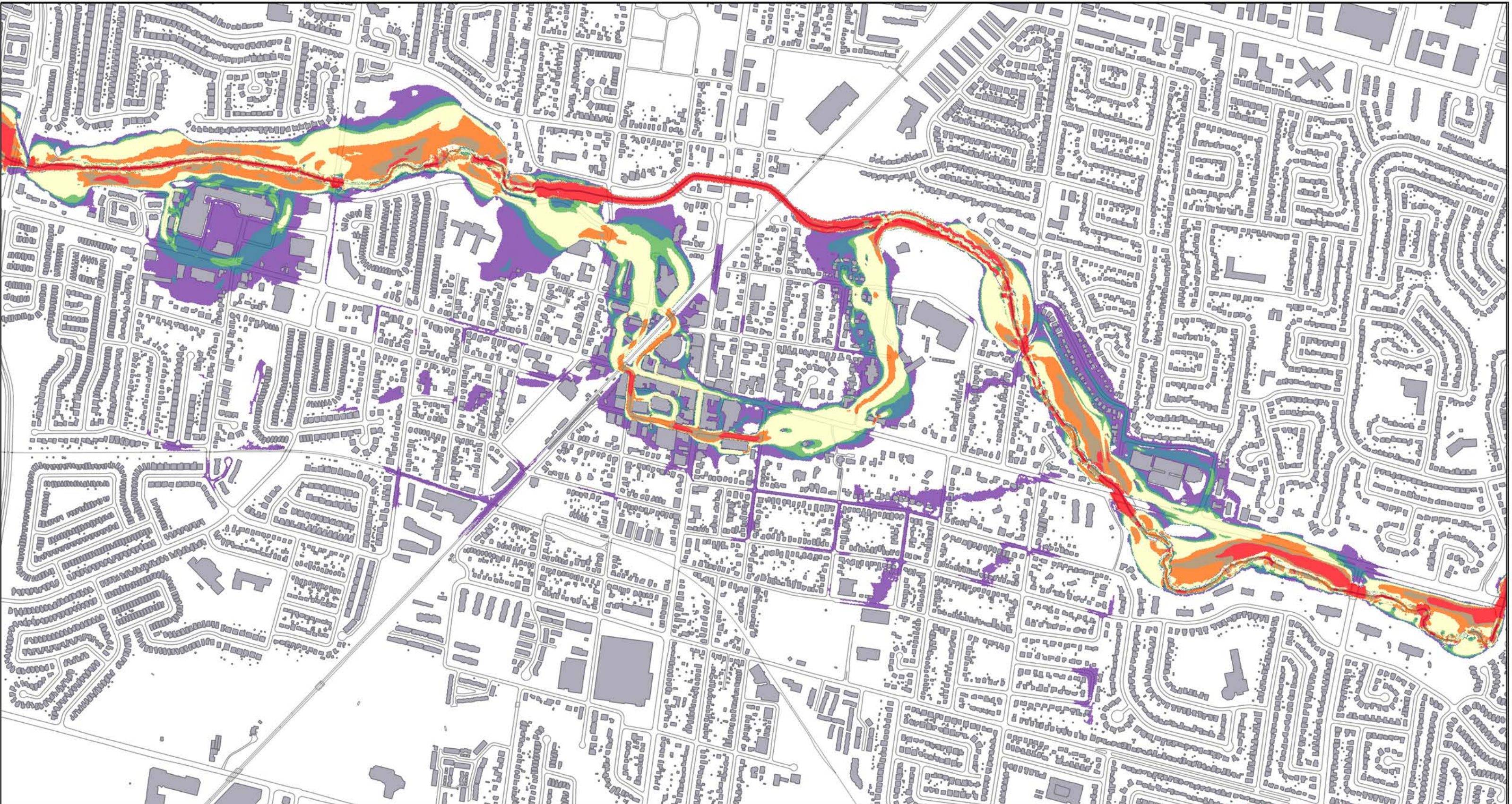
Project #22062

Regional Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 2.2



Run Date: June 29, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
		1.00 - 1.50
		1.50 - 2.00
		> 2.00
<= 0.10		
0.10 - 0.25		
0.25 - 0.370		



0 250 500 750 1000 m

1:10,000



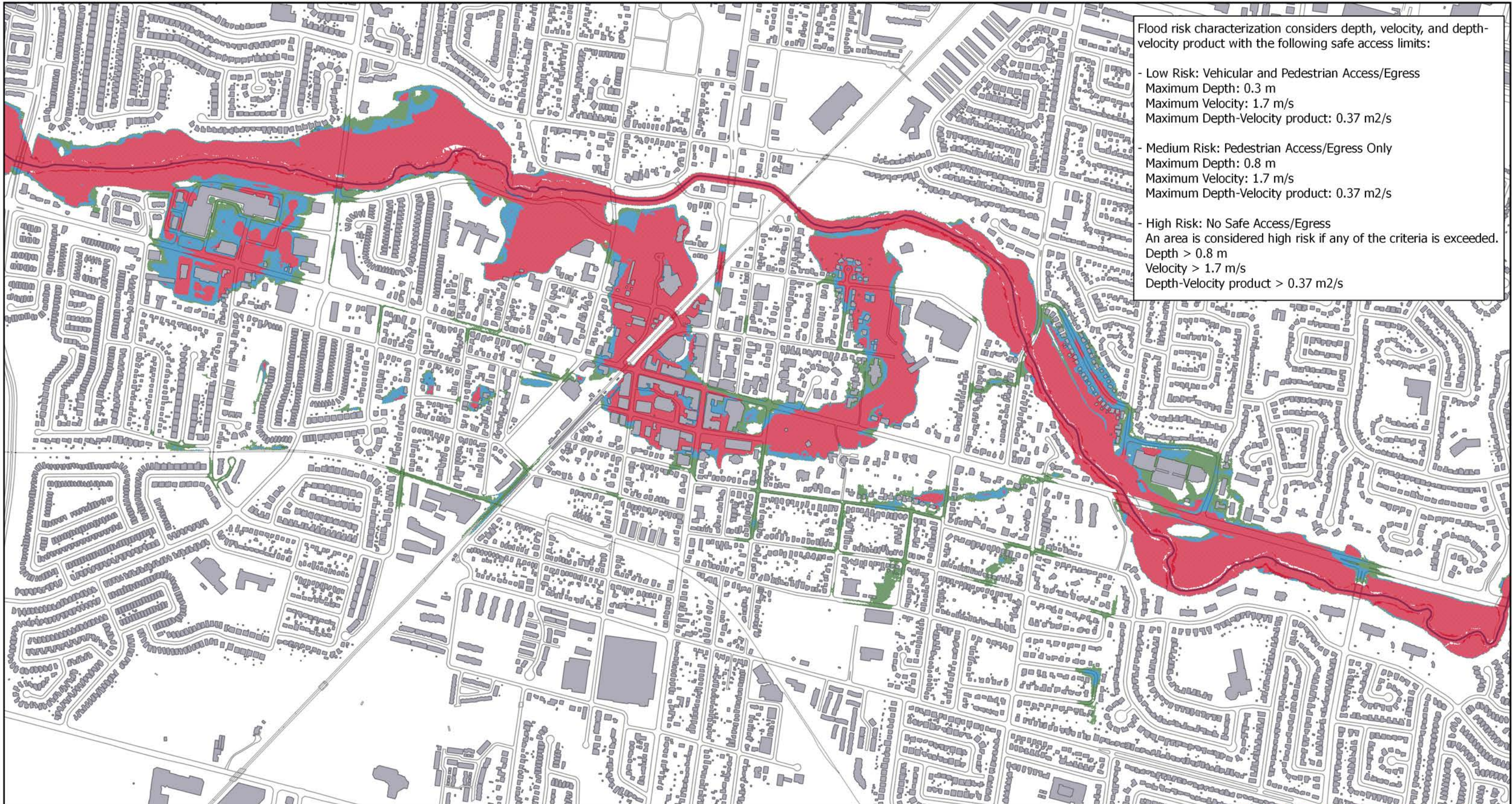
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Regional Storm - Unsteady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 2.3



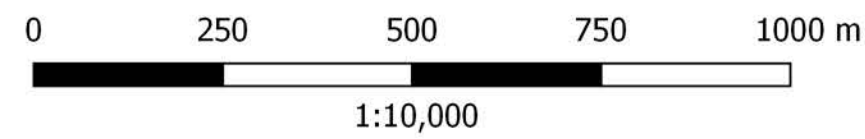
Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: June 29, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)





Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

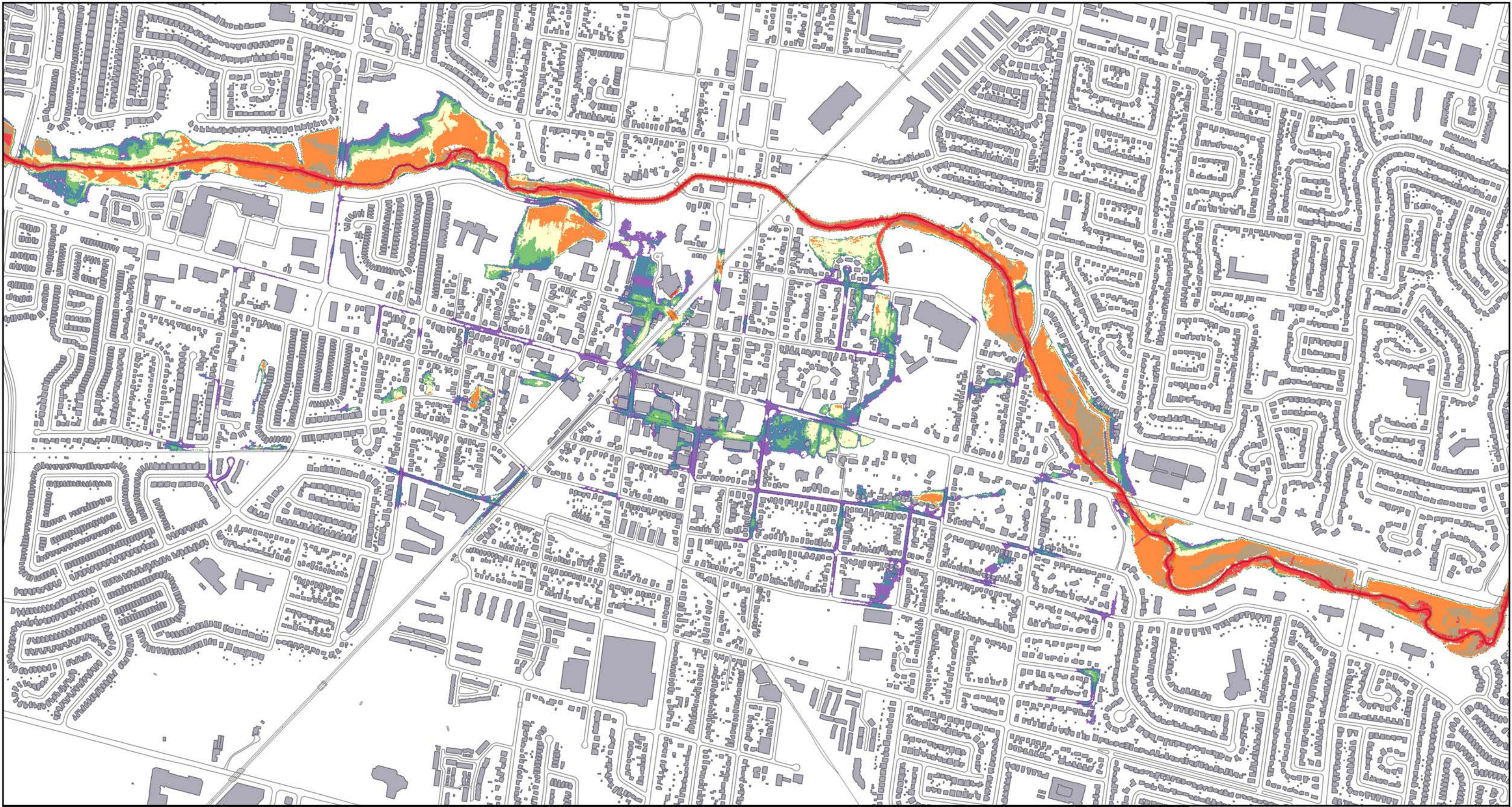
Project #22062

Regional Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 2.4



Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)		0.50 - 0.80
≤ 0.10		0.80 - 1.50
0.10 - 0.30		1.50 - 2.00
0.30 - 0.50		> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

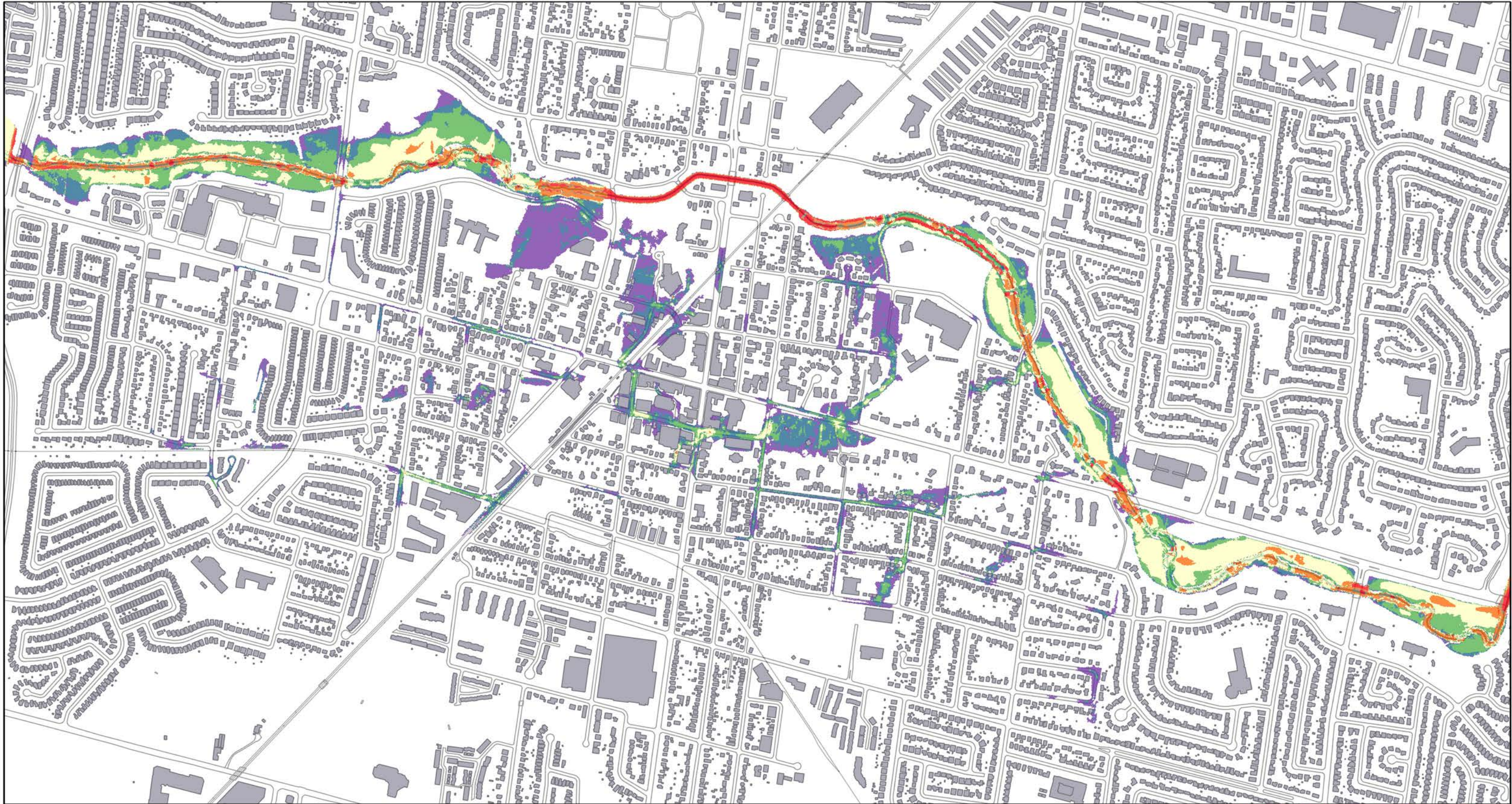
Project #22062

350 Year Storm - Steady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 3.1



Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
<= 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

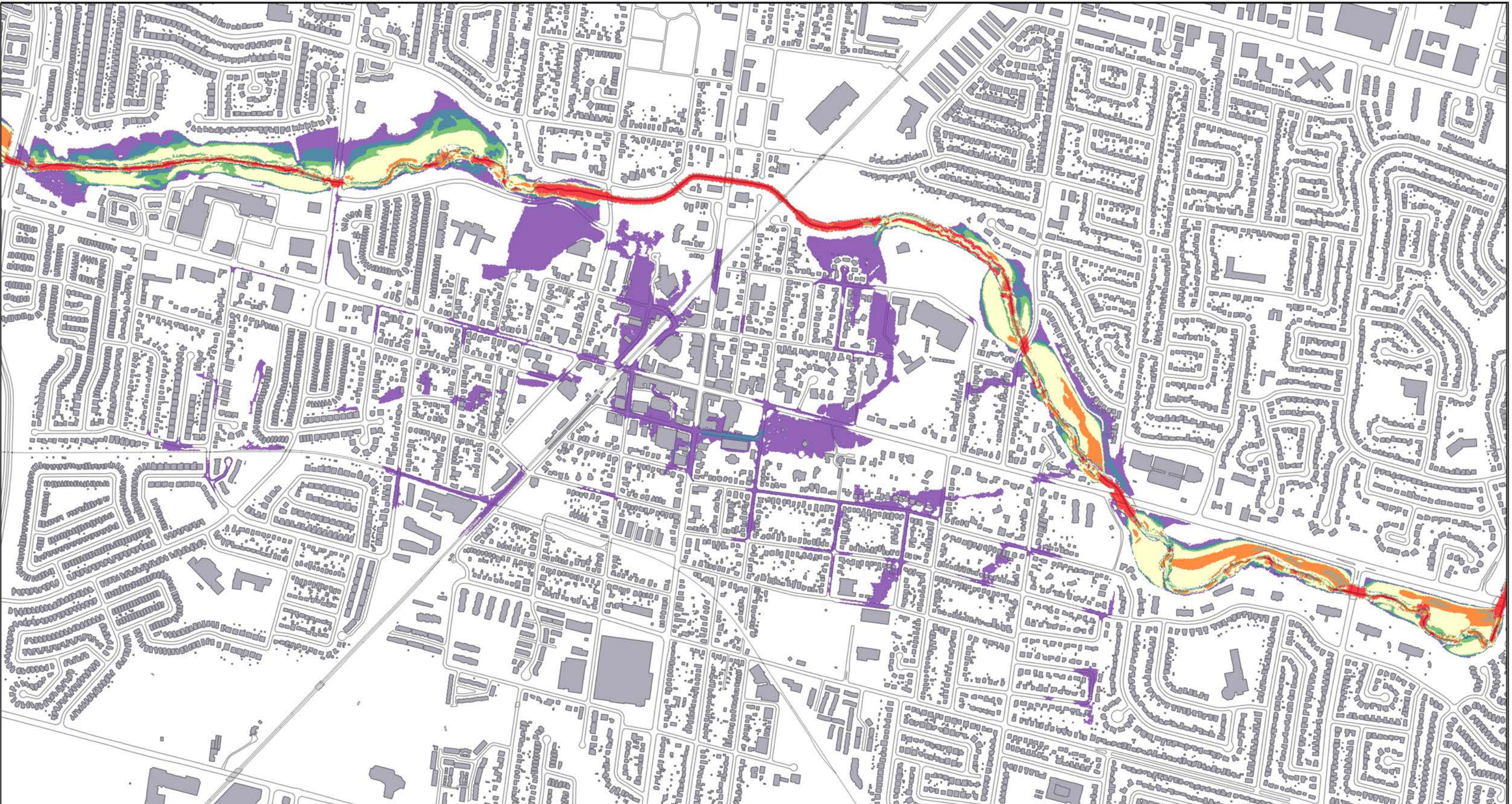
Project #22062

350 Year Storm - Steady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 3.2



Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
		1.00 - 1.50
		1.50 - 2.00
		> 2.00
<= 0.10		
0.10 - 0.25		
0.25 - 0.370		



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

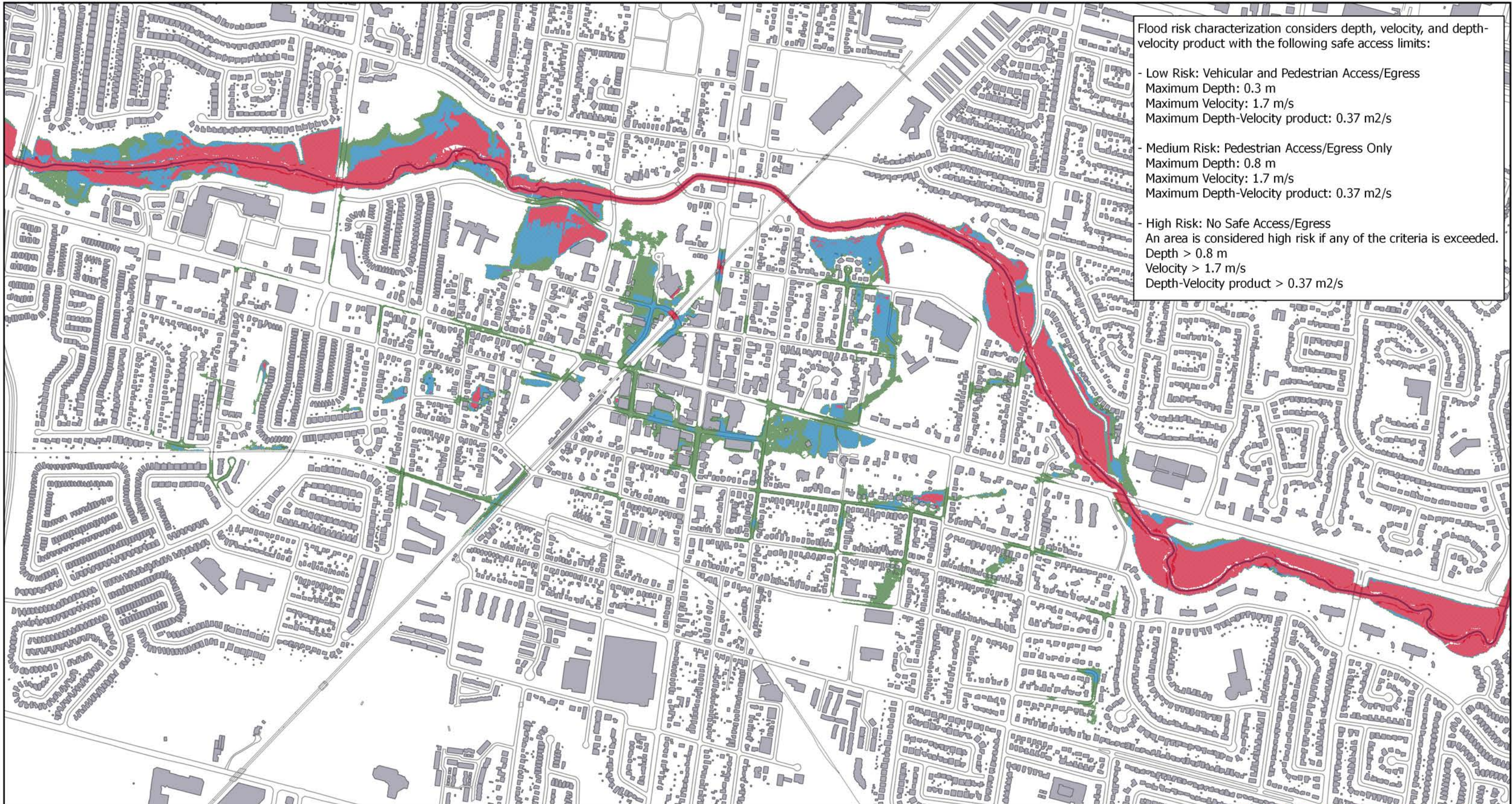
Project #22062

350 Year Storm - Steady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 3.3



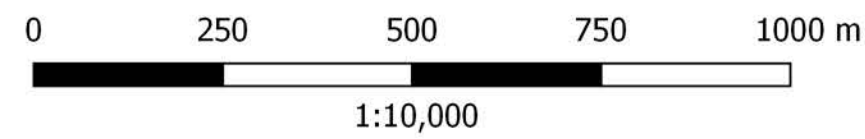
Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)





Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

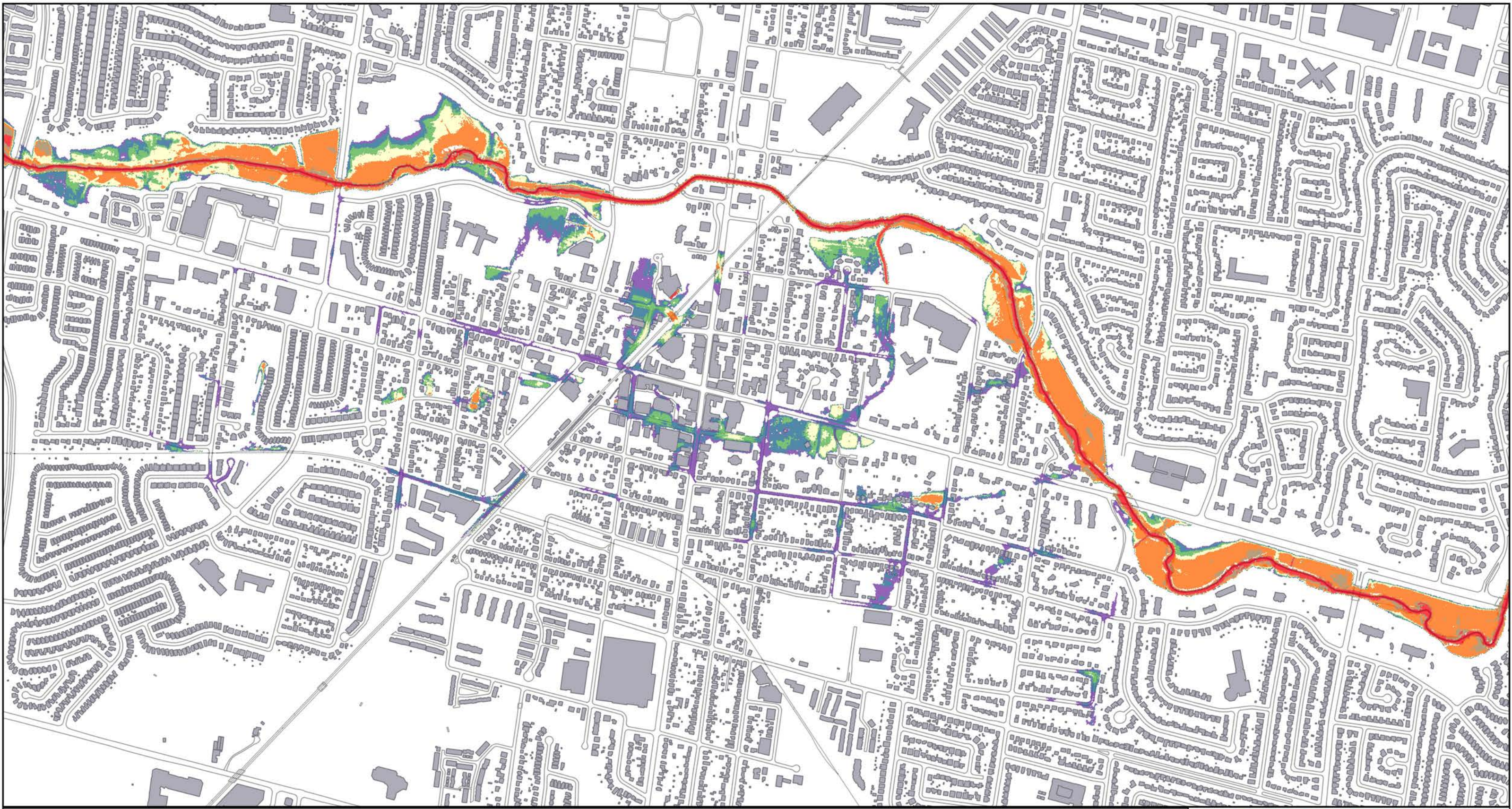
350 Year Storm - Steady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 3.4

Project #22062



Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
<= 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

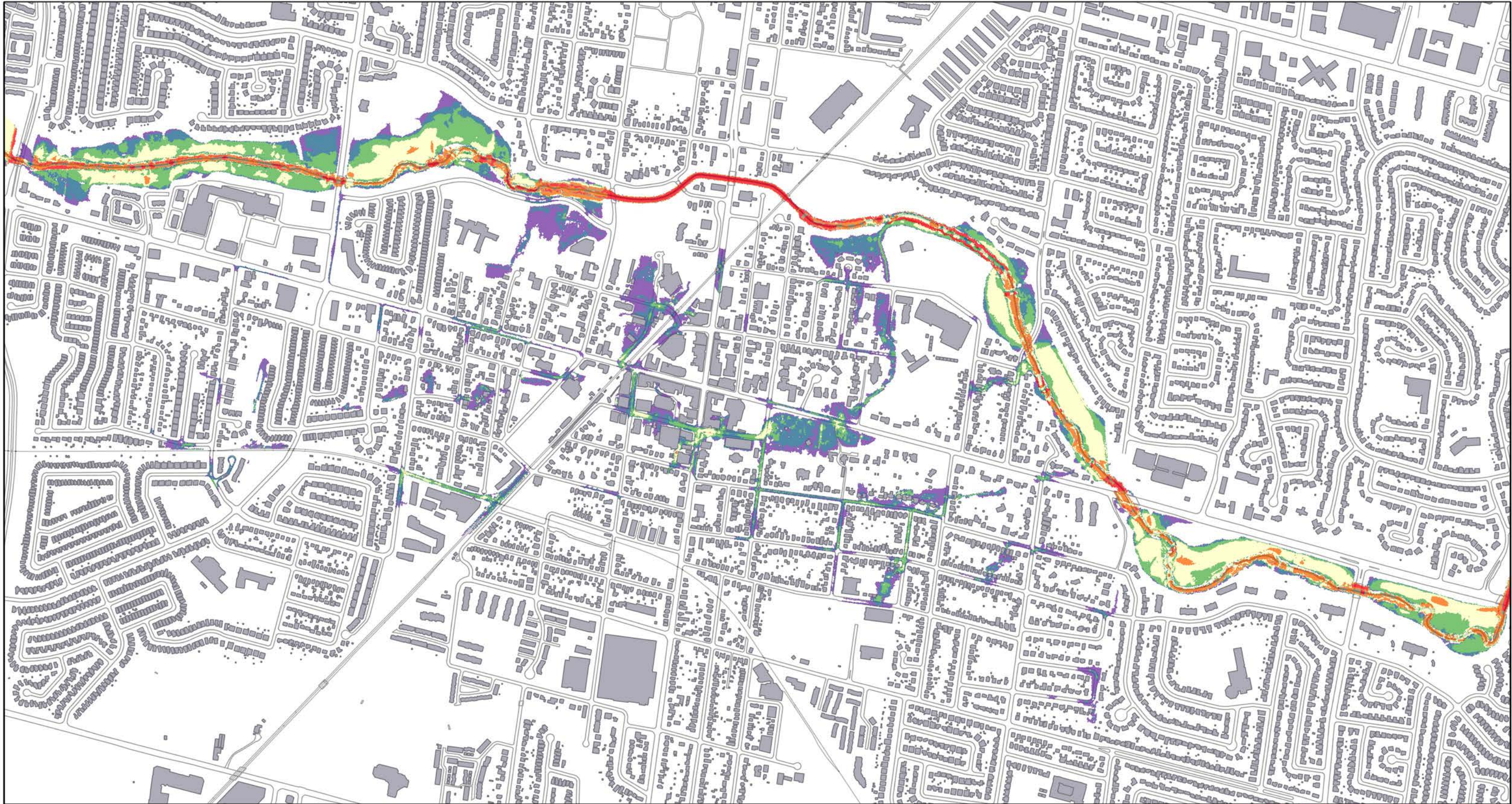
Project #22062

350 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 4.1



Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
 <= 0.10	 1.00 - 1.70
 0.10 - 0.25	 1.70 - 2.00
 0.25 - 0.50	 > 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

350 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 4.2



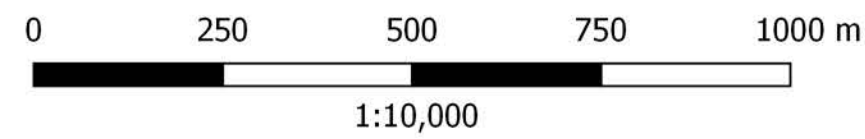
Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m2/s

Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)





Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

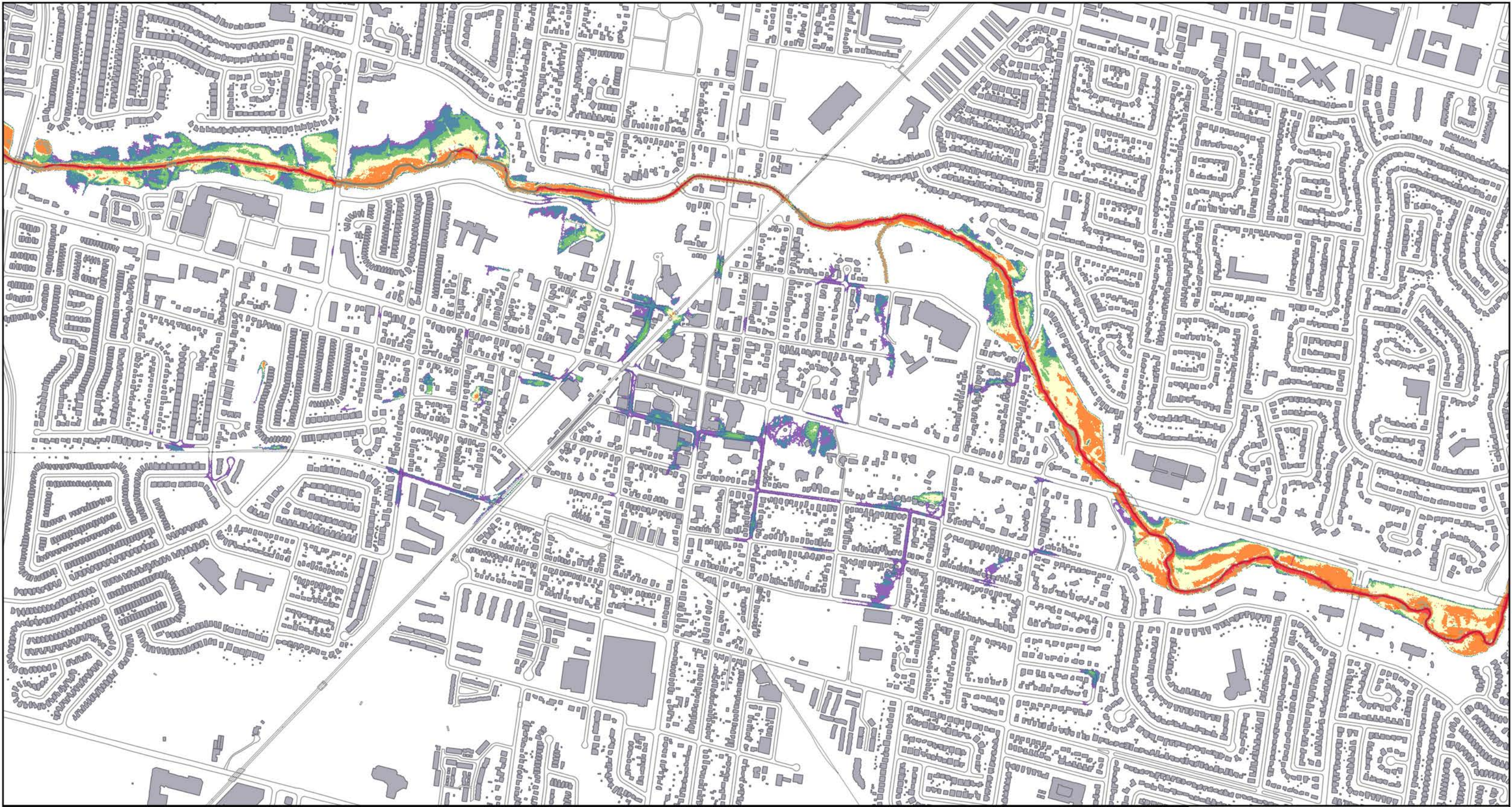
350 Year Storm - Unsteady State
Flood Risk

Project #22062

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 4.4



Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
<= 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

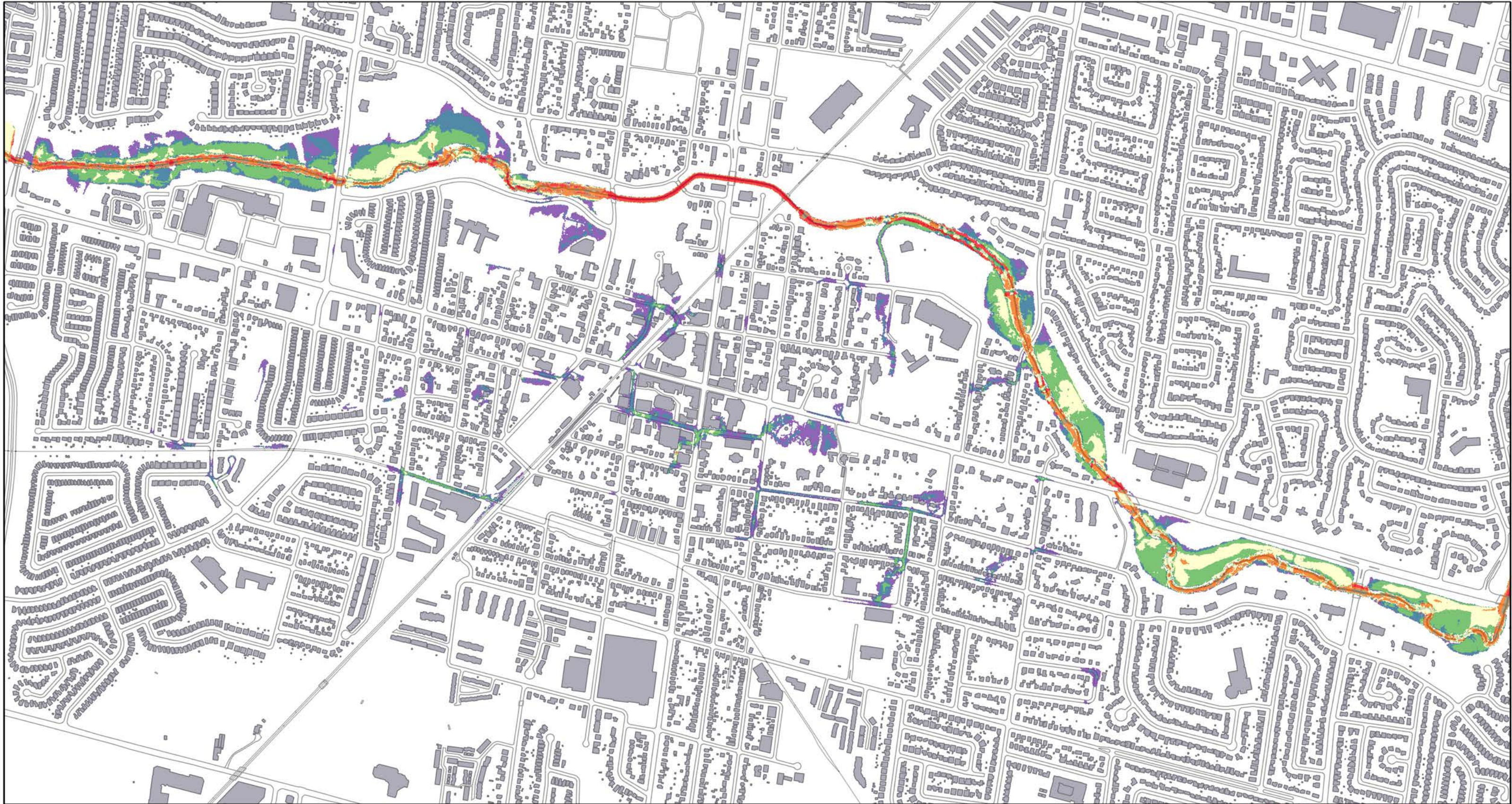
Project #22062

100 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 5.1



Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
<= 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

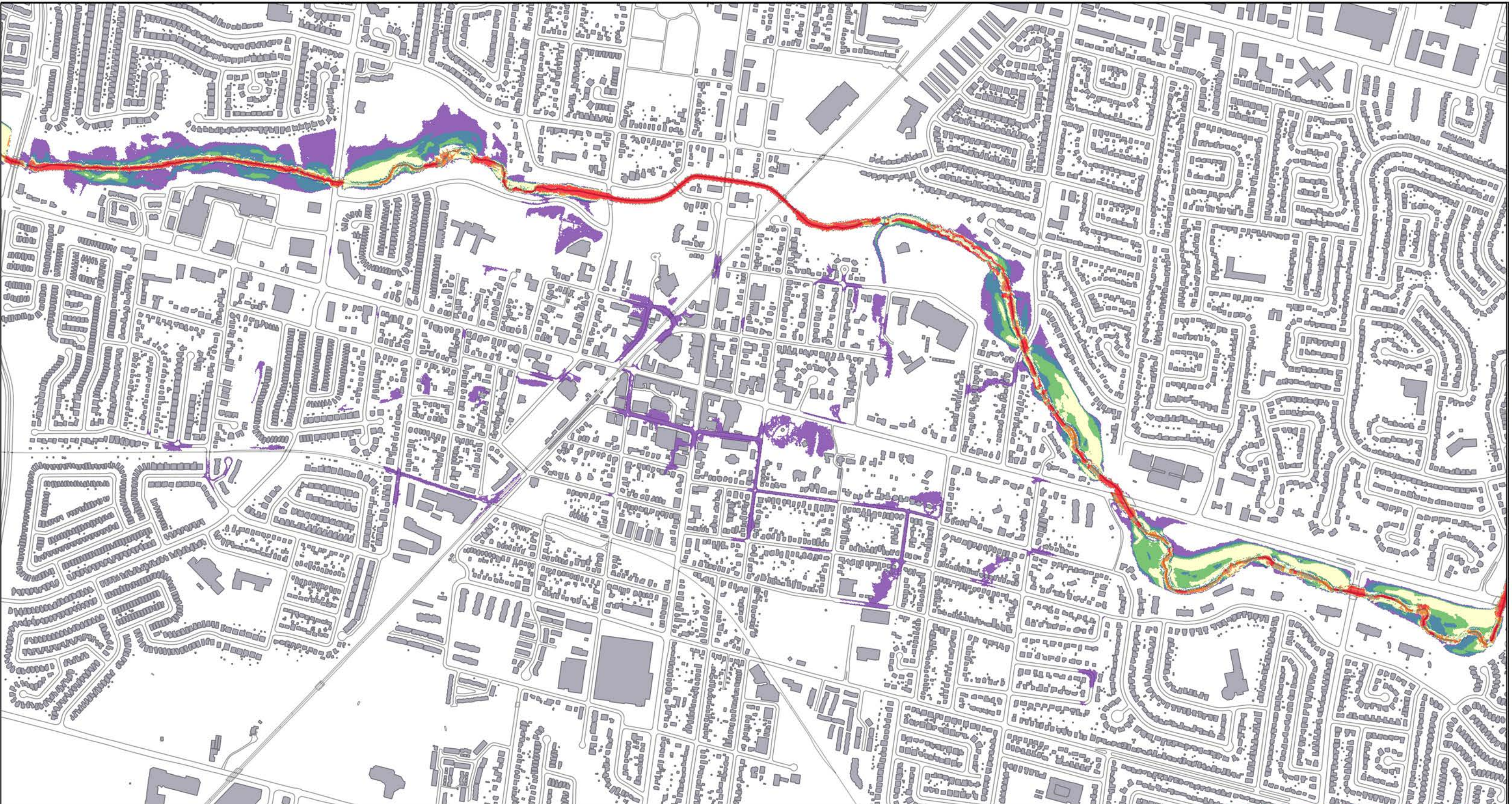
Project #22062

100 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

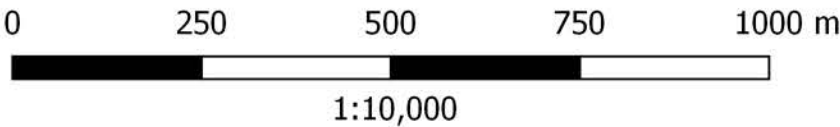
Map 5.2



Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
	<= 0.10	1.00 - 1.50
	0.10 - 0.25	1.50 - 2.00
	0.25 - 0.370	> 2.00



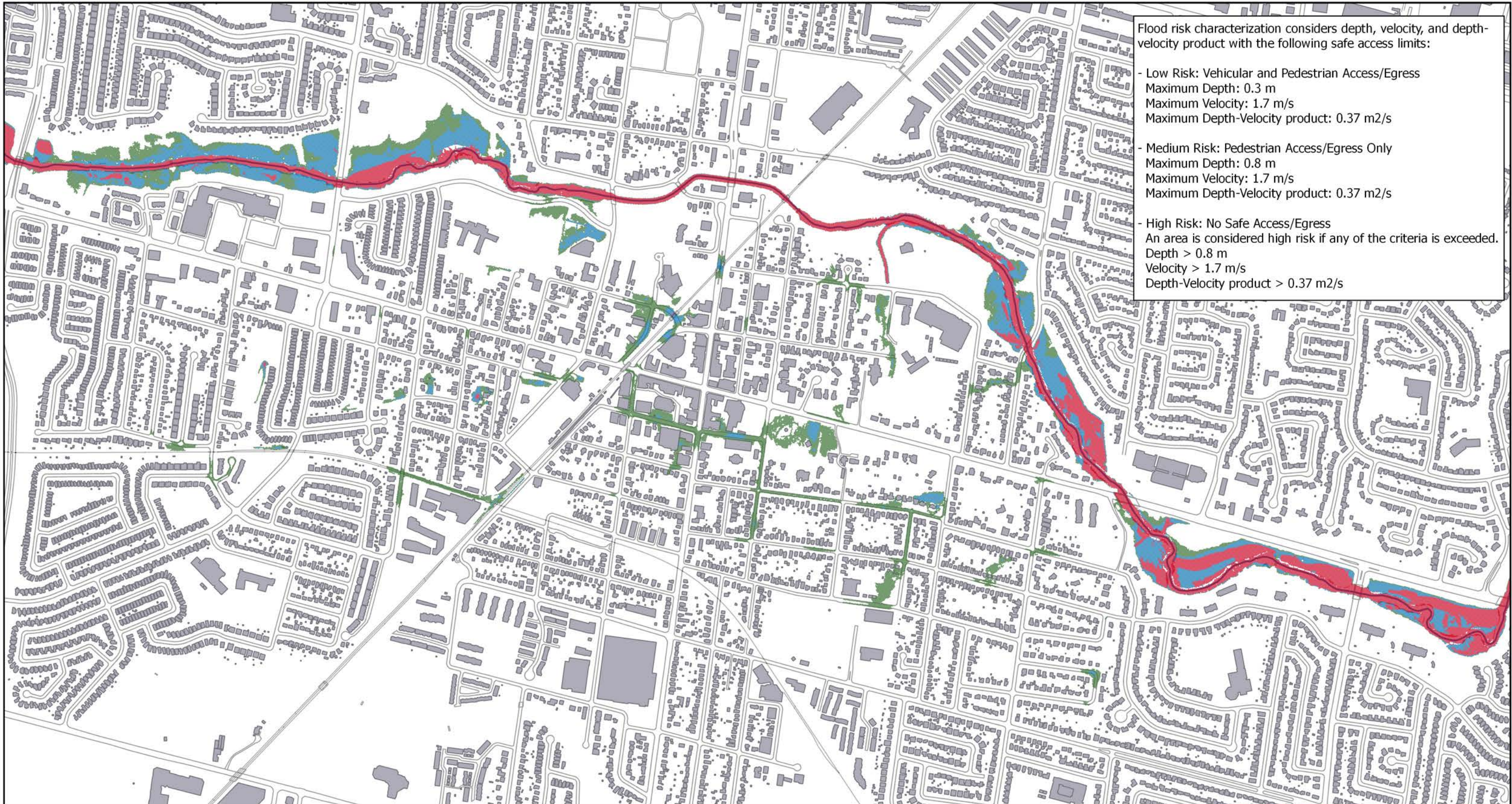
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

100 Year Storm - Unsteady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 5.3



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m2/s

Run Date: July 18, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000

**Matrix Solutions Inc.**
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

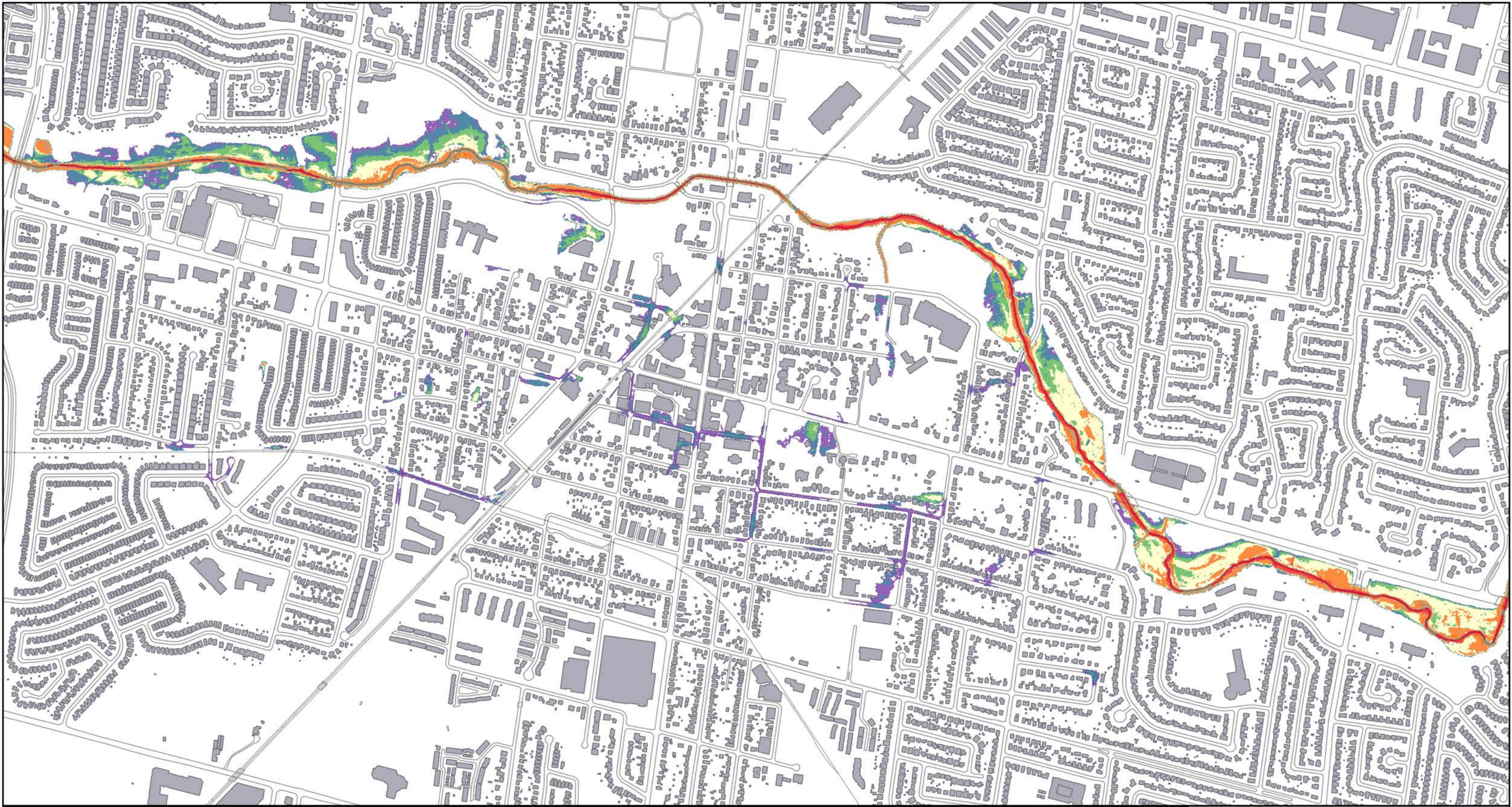
Project #22062

100 Year Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 5.4



Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)		0.50 - 0.80
≤ 0.10	0.80 - 1.50	
0.10 - 0.30	1.50 - 2.00	
0.30 - 0.50	> 2.00	



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

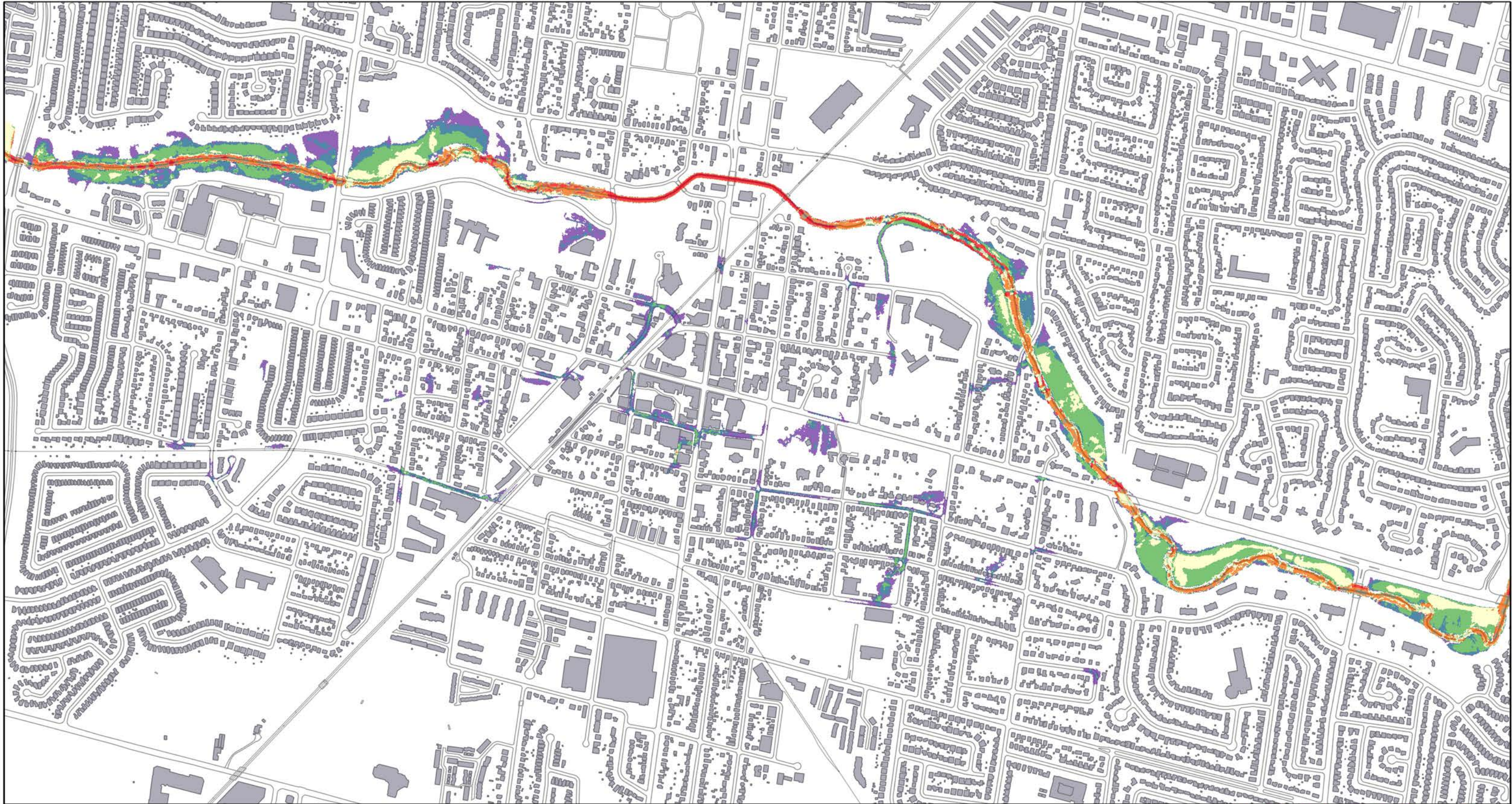
Project #22062

50 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 6.1



Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
 <= 0.10	 1.00 - 1.70
 0.10 - 0.25	 1.70 - 2.00
 0.25 - 0.50	 > 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

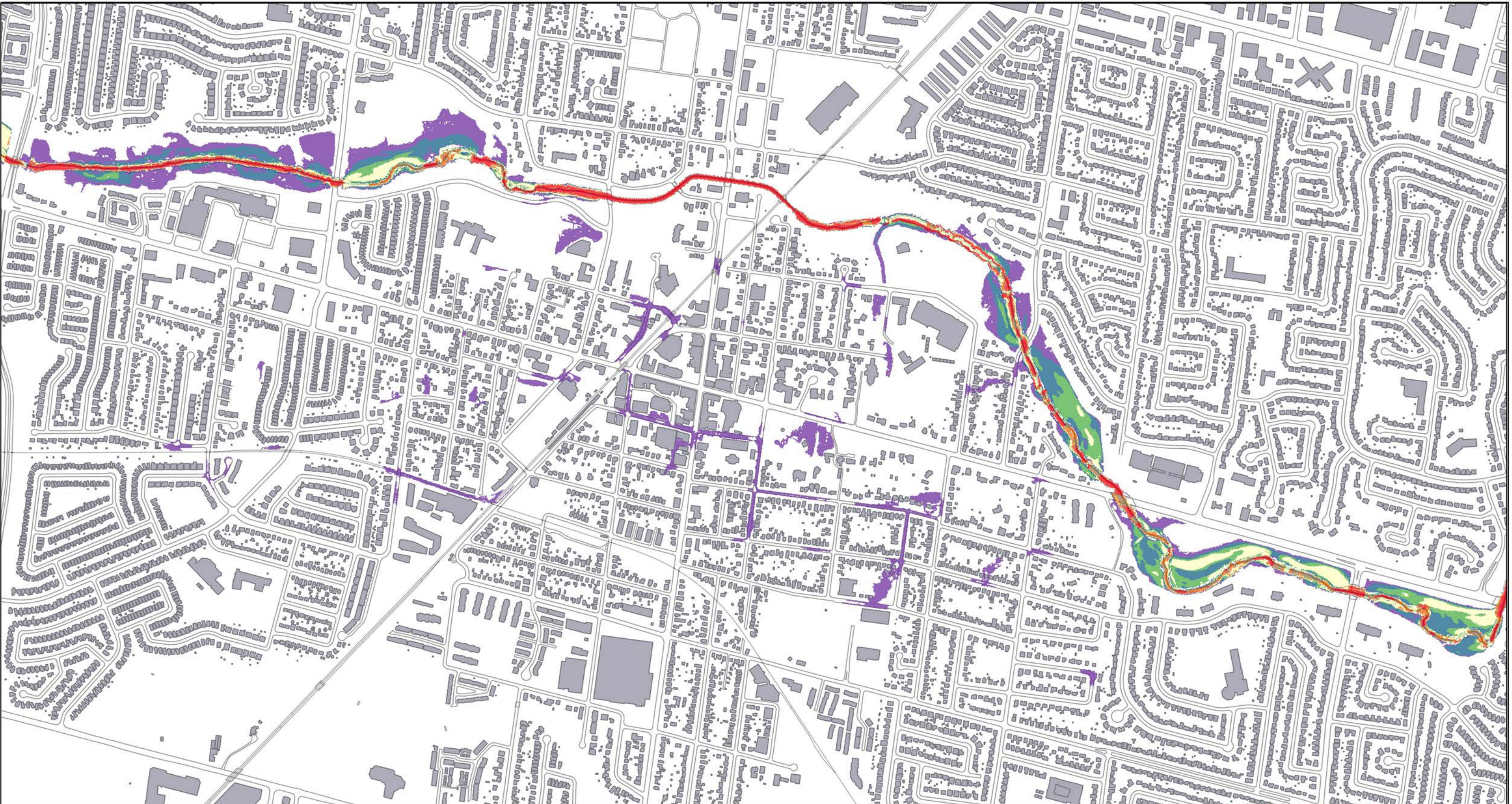
Project #22062

50 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

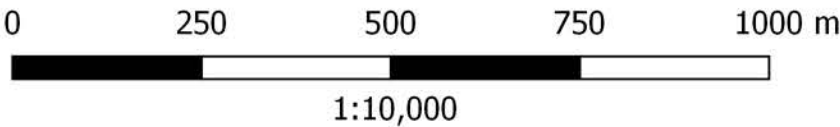
Map 6.2



Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
		1.00 - 1.50
		1.50 - 2.00
		> 2.00
<= 0.10		
0.10 - 0.25		
0.25 - 0.370		



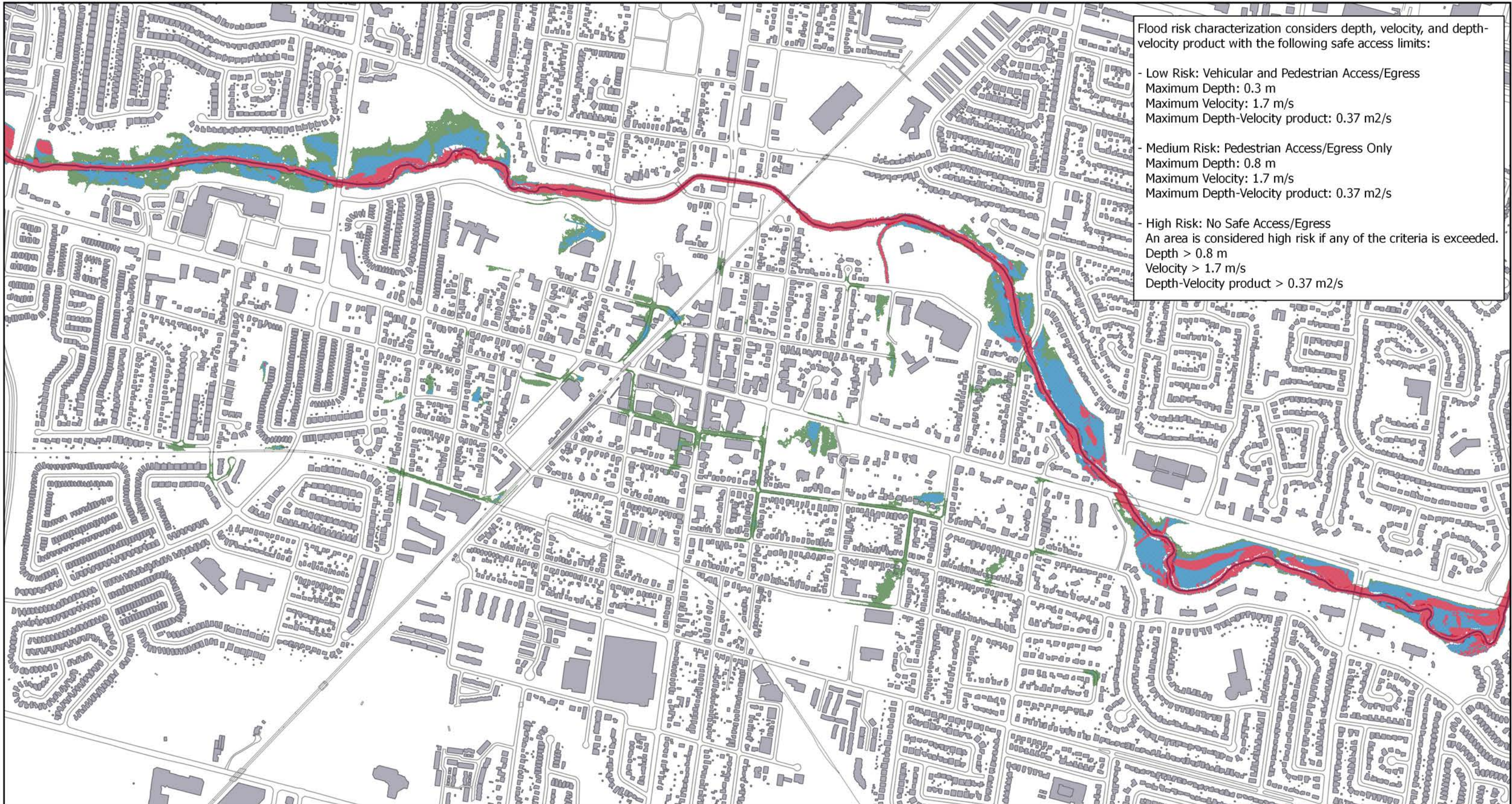
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

50 Year Storm - Unsteady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 6.3



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: July 21, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

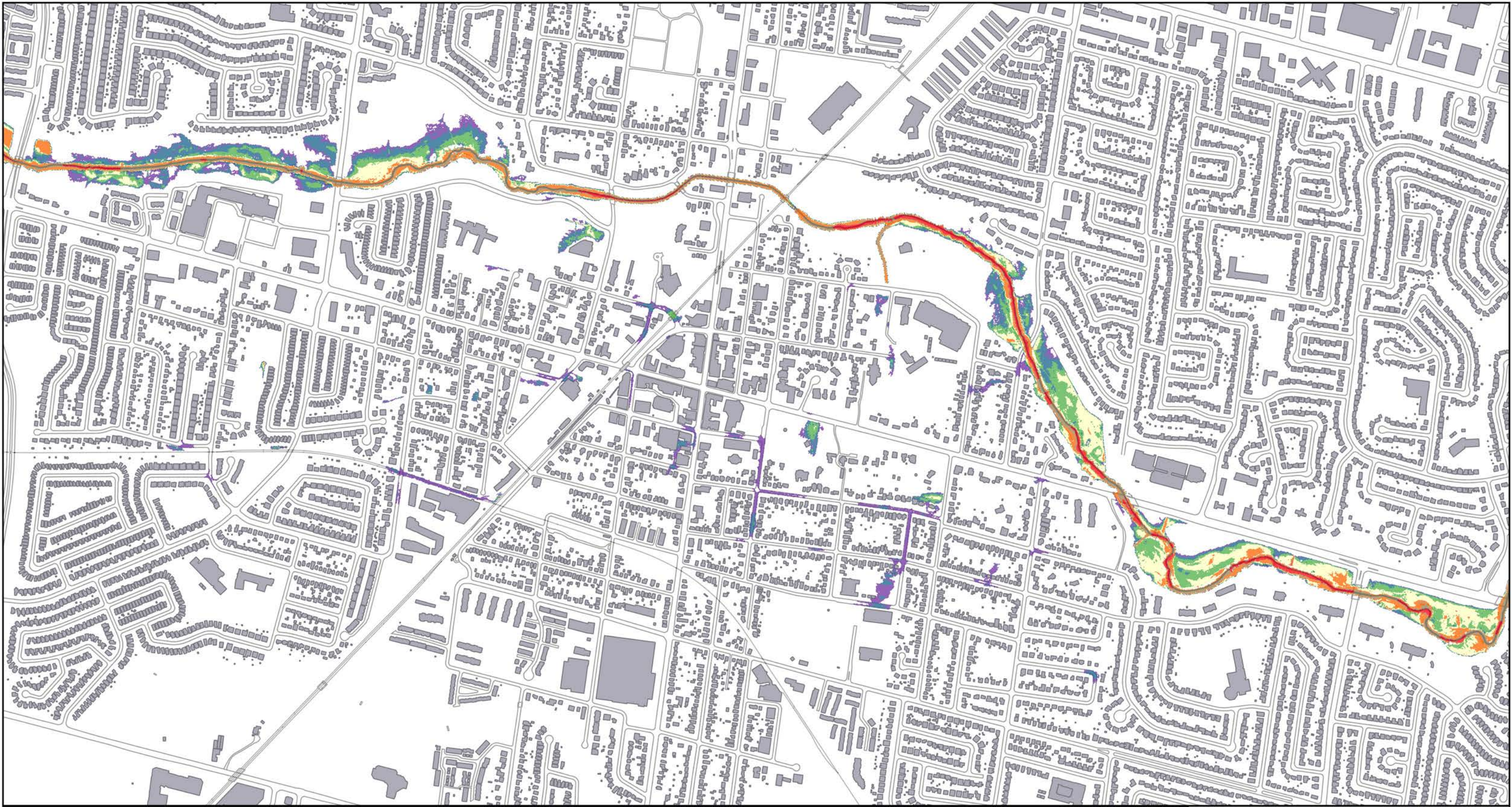
Project #22062

50 Year Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 6.4



Run Date: July 24, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)		0.50 - 0.80
≤ 0.10		0.80 - 1.50
0.10 - 0.30		1.50 - 2.00
0.30 - 0.50		> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

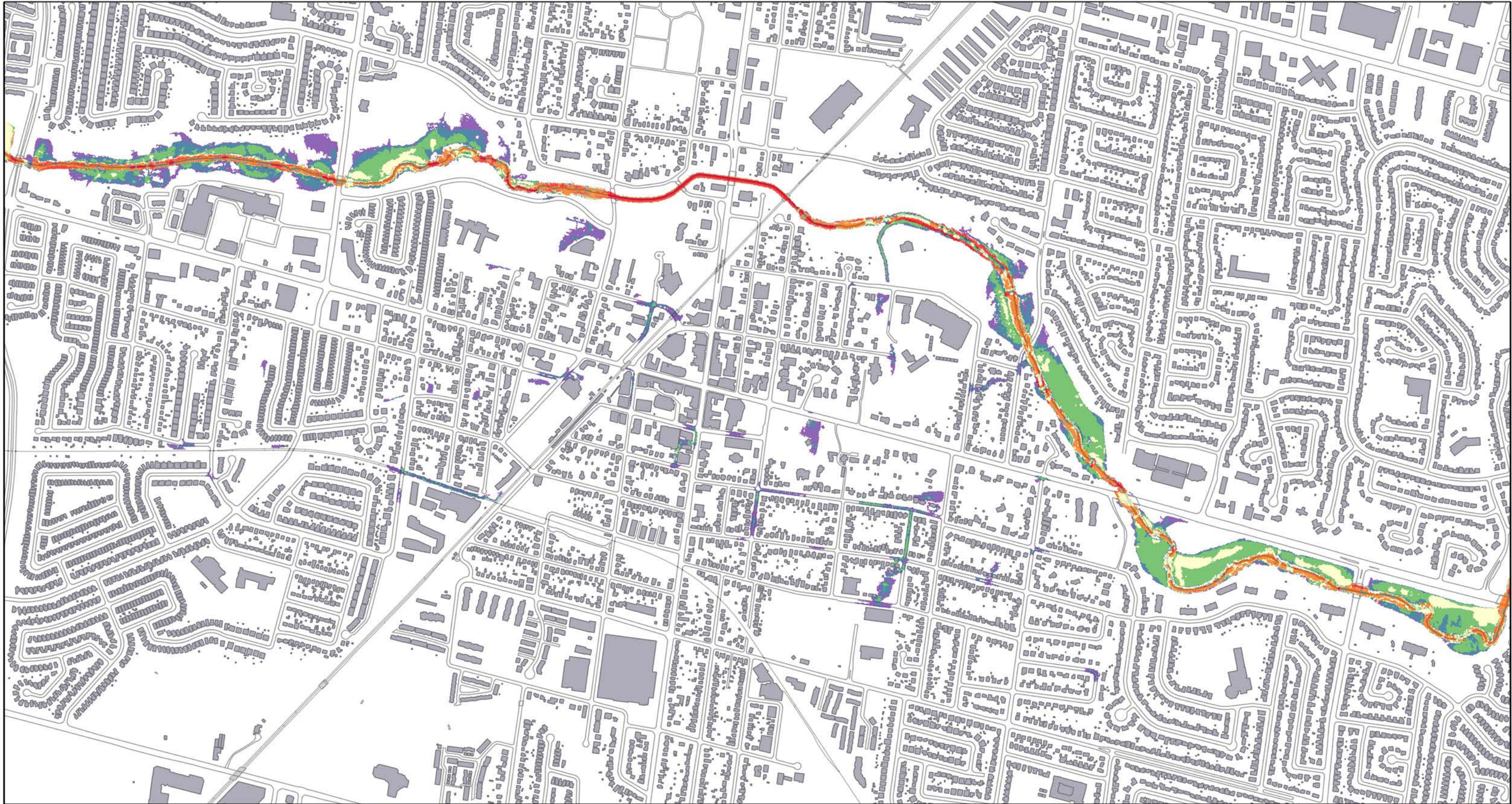
Project #22062

25 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 7.1



Run Date: July 24, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
<= 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

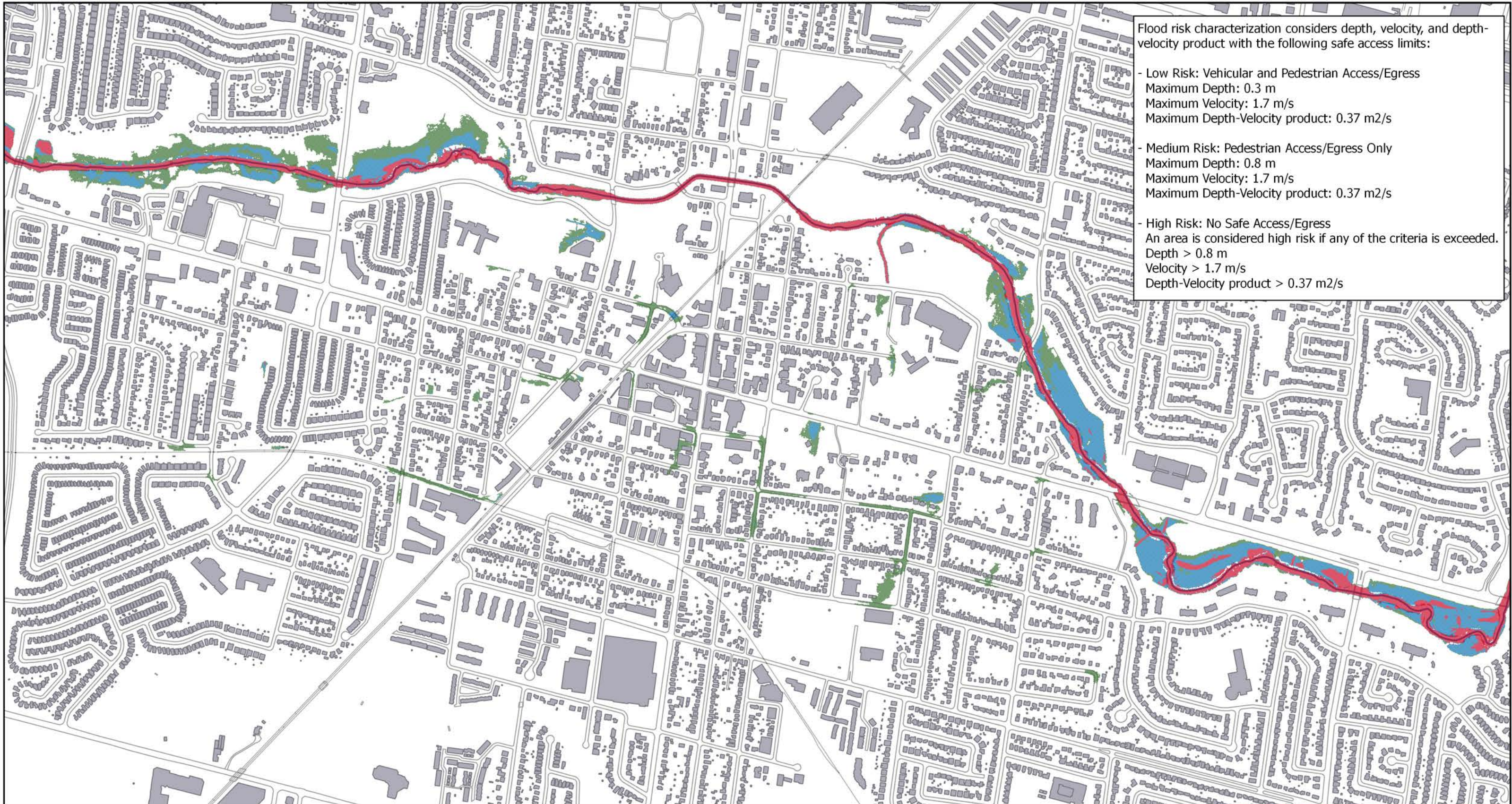
Project #22062

25 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 7.2



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: July 24, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000

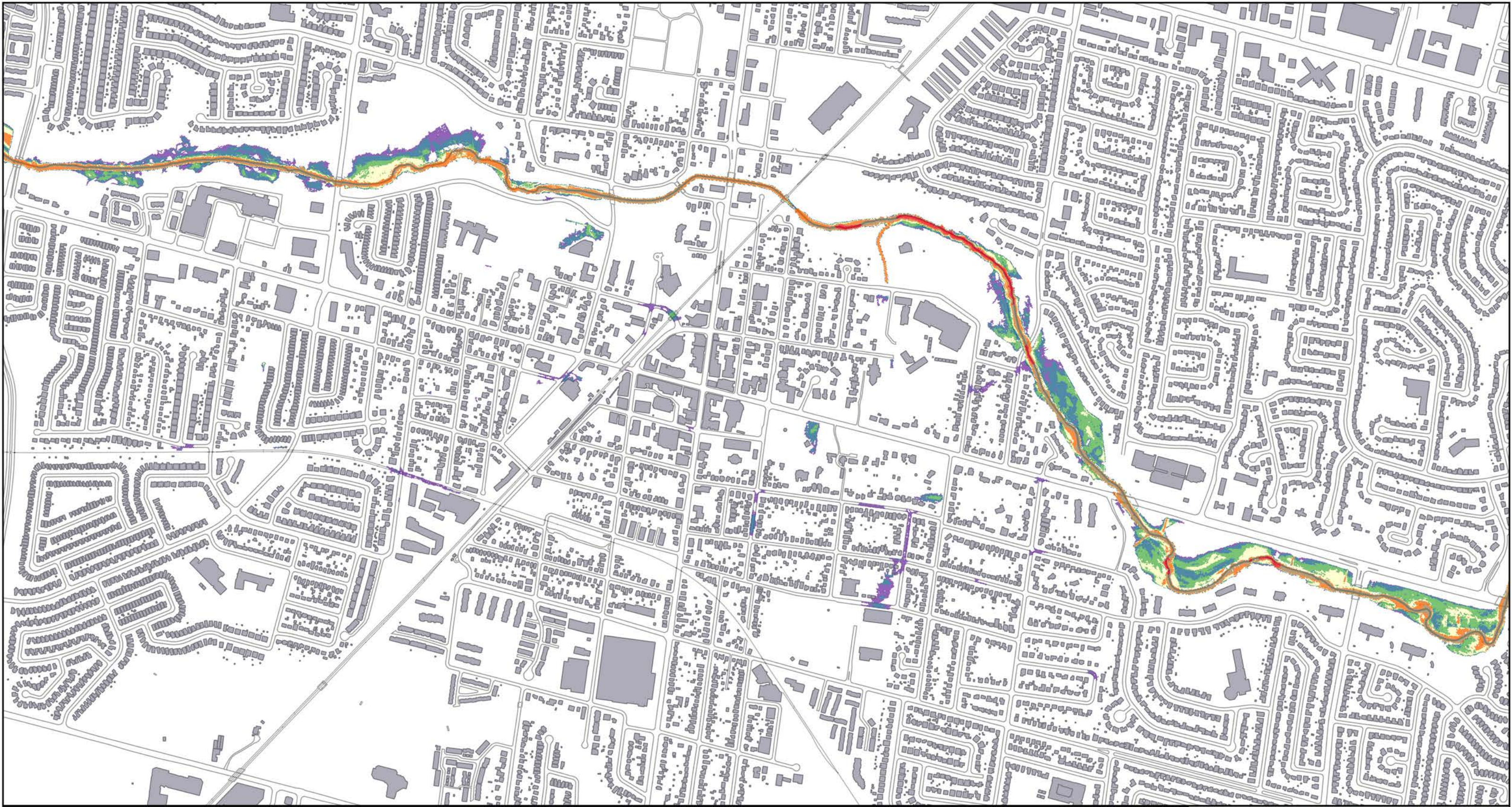
**Matrix Solutions Inc.**
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

25 Year Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

Project #22062
K. Molnar
K. Hofbauer
Map 7.4



Run Date: August 21, 2017
Figure Date: August 22, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

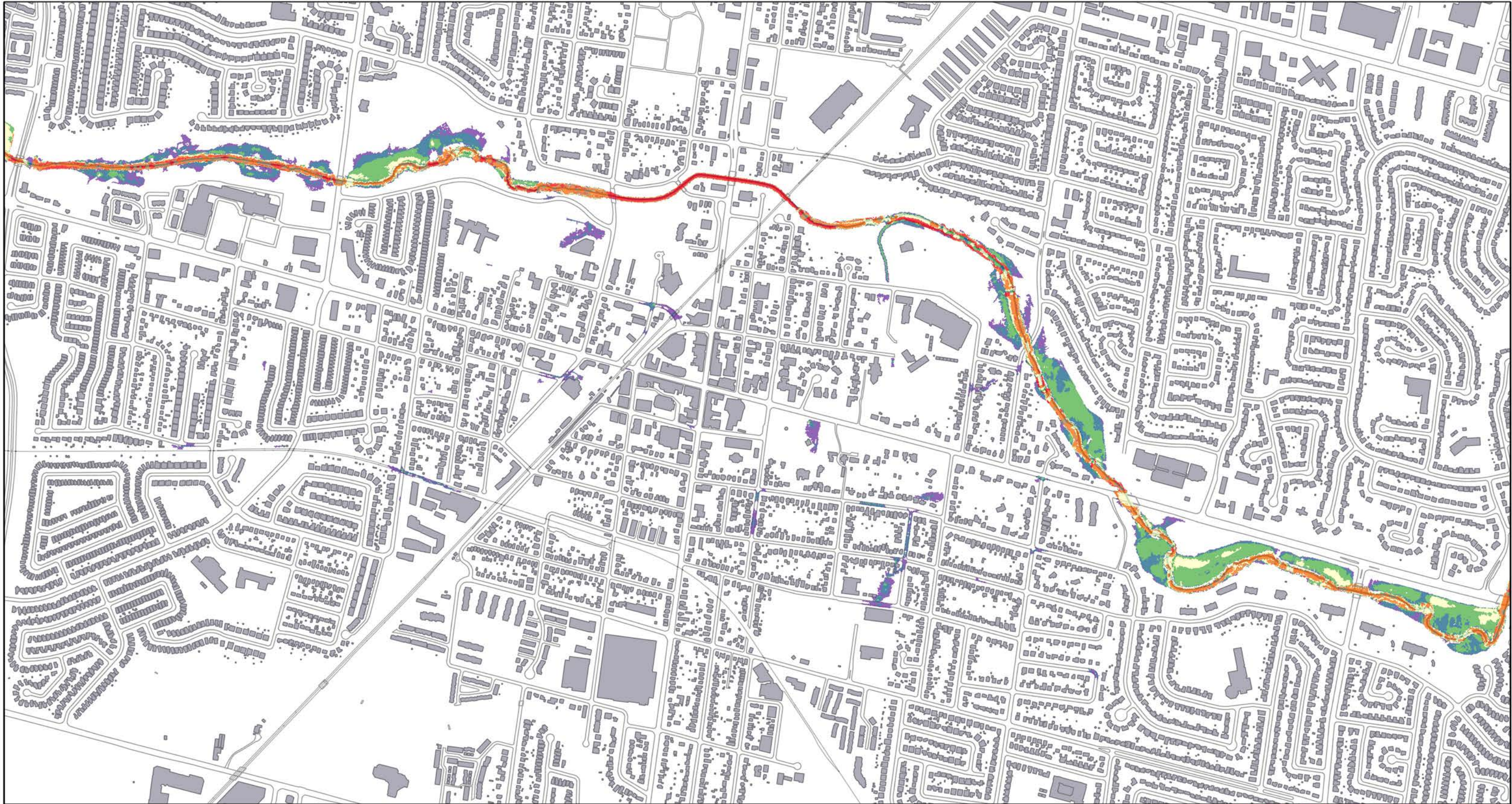
Project #22062

10 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 8.1



Run Date: August 21, 2017
Figure Date: August 22, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
<= 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



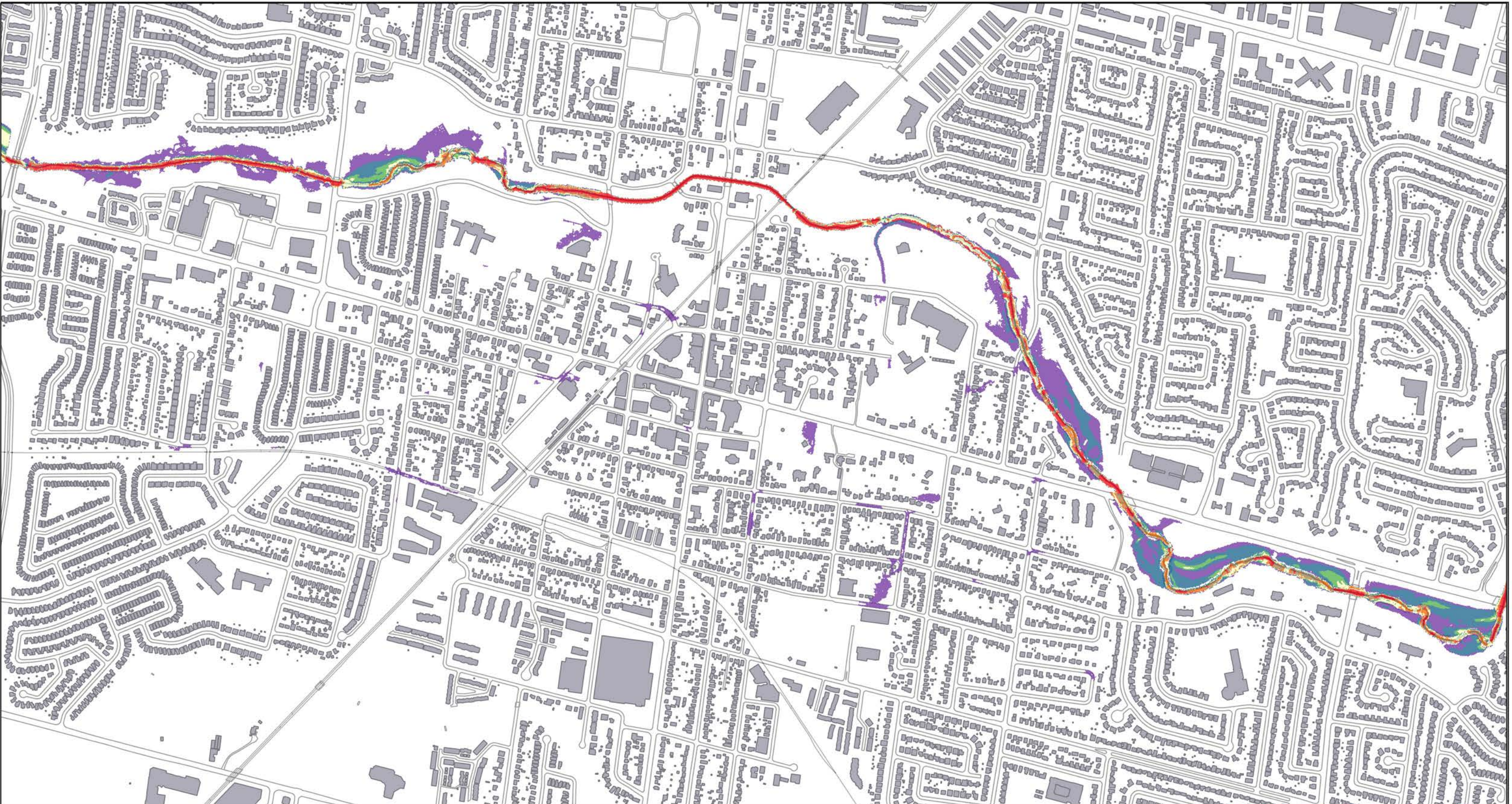
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

10 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 8.2



Run Date: August 21, 2017
Figure Date: August 22, 2017

3-Way Model Results

Results

Maximum Depth x Velocity (m2/s)

<= 0.10

0.10 - 0.25

0.25 - 0.370

0.37 - 1.00

1.00 - 1.50

1.50 - 2.00

> 2.00



1:10,000



Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

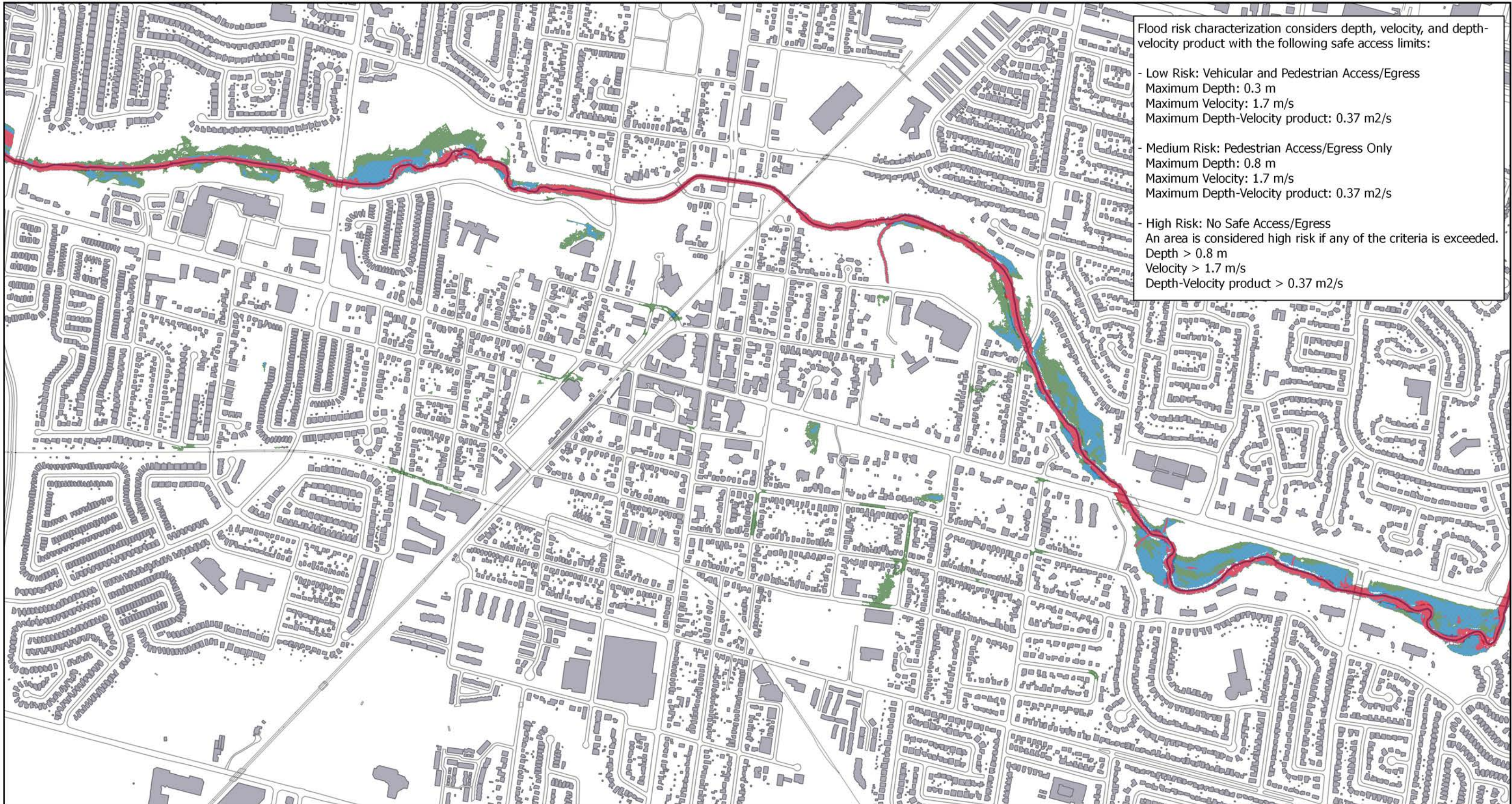
10 Year Storm - Unsteady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

Project #22062

K. Molnar
K. Hofbauer

Map 8.3



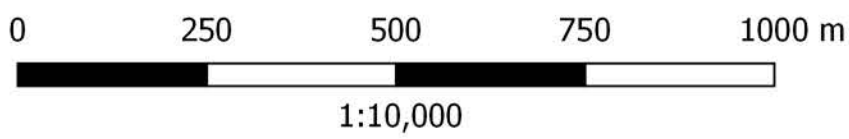
Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: August 21, 2017
Figure Date: August 22, 2017

3-Way Model Results

- Flood Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)





Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

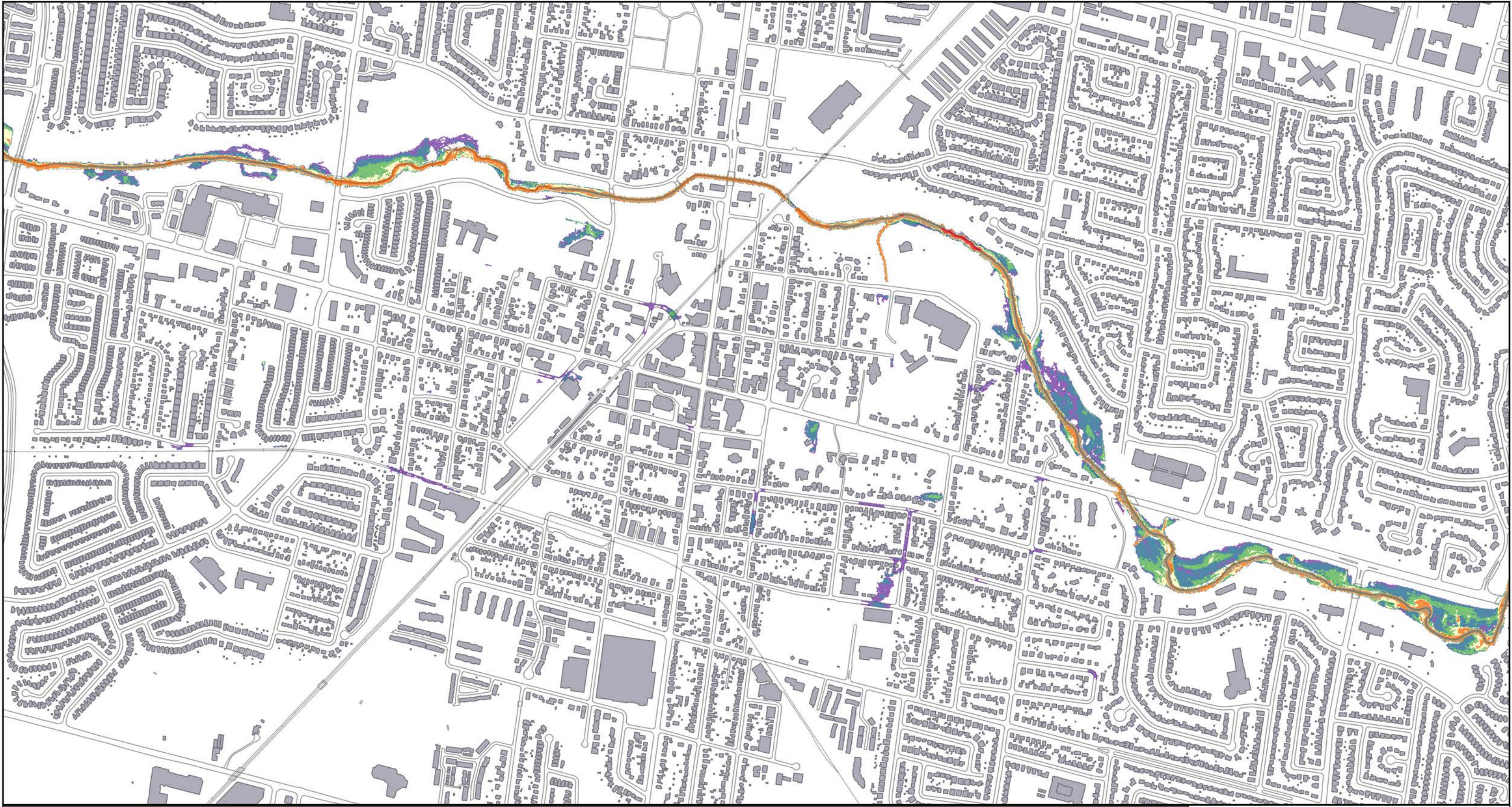
10 Year Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 8.4

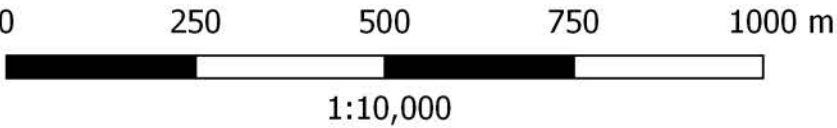
Project #22062



Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



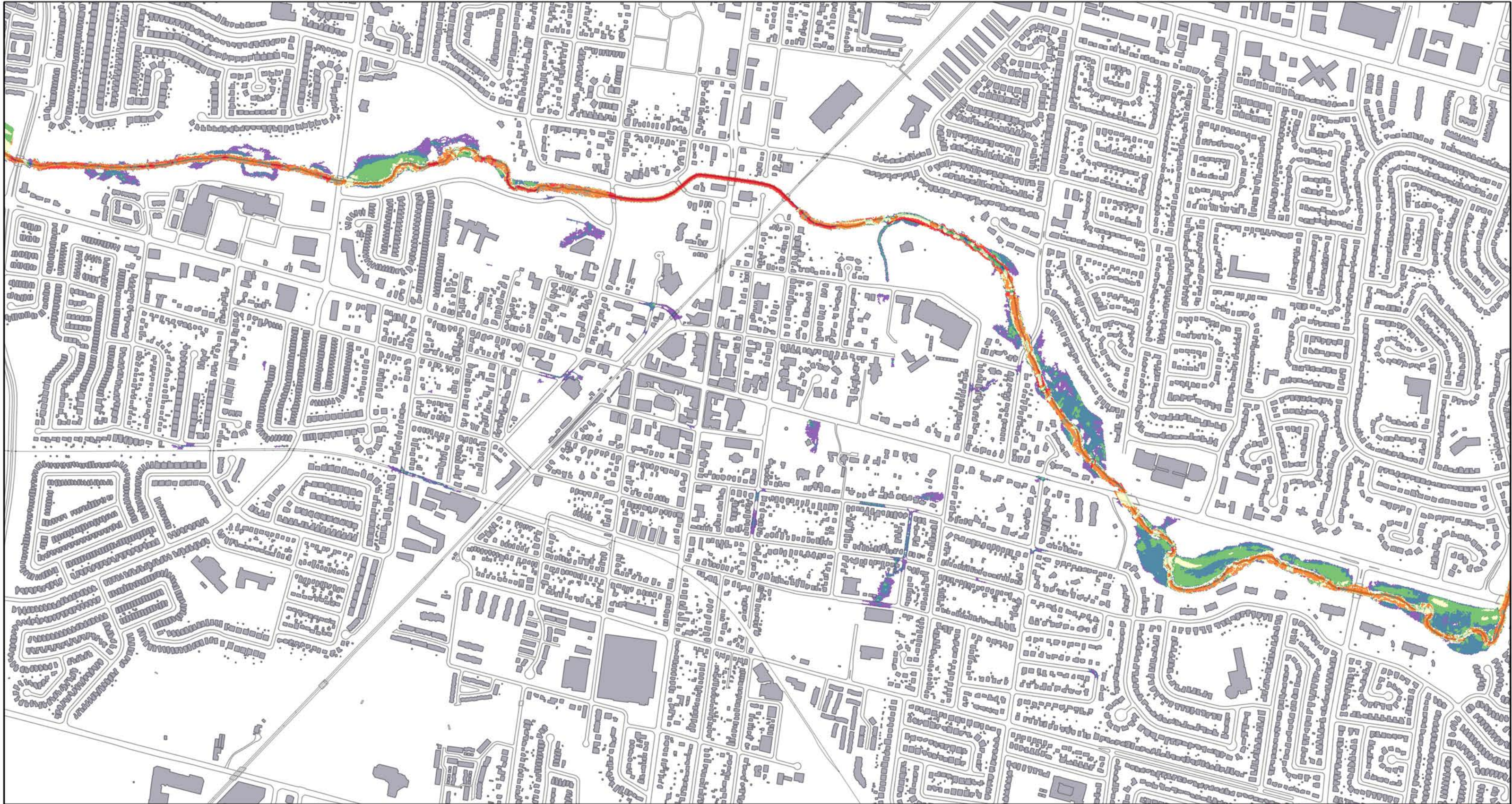
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

5 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

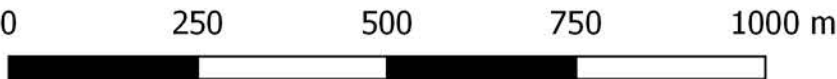
K. Molnar
K. Hofbauer
Map 9.1



Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
≤ 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

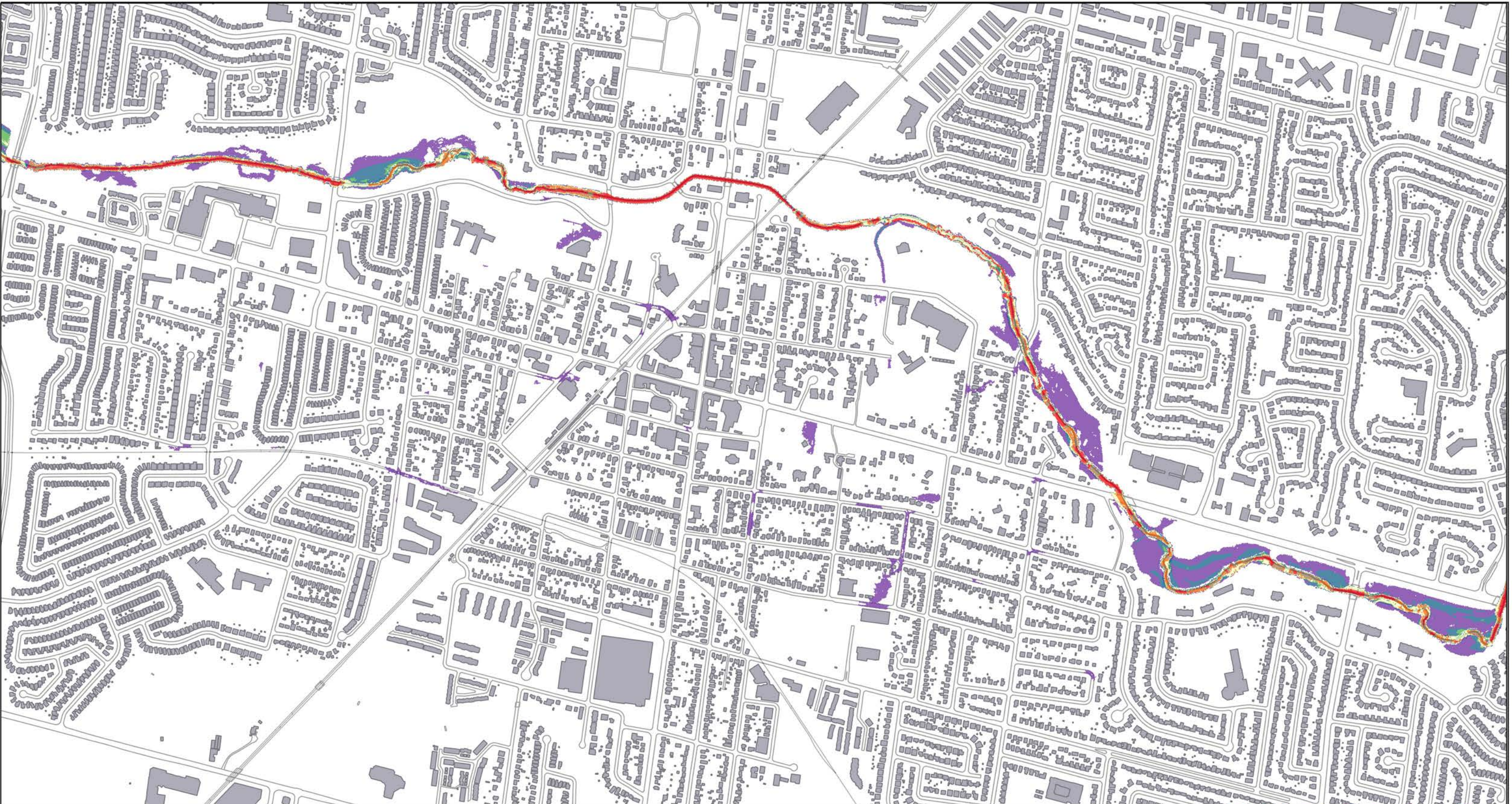
Project #22062

5 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

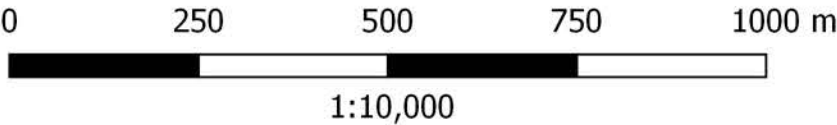
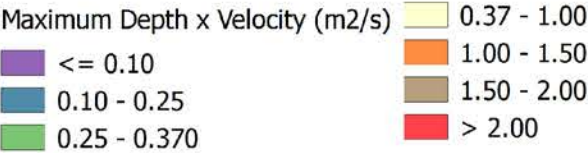
K. Molnar
K. Hofbauer

Map 9.2



Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results



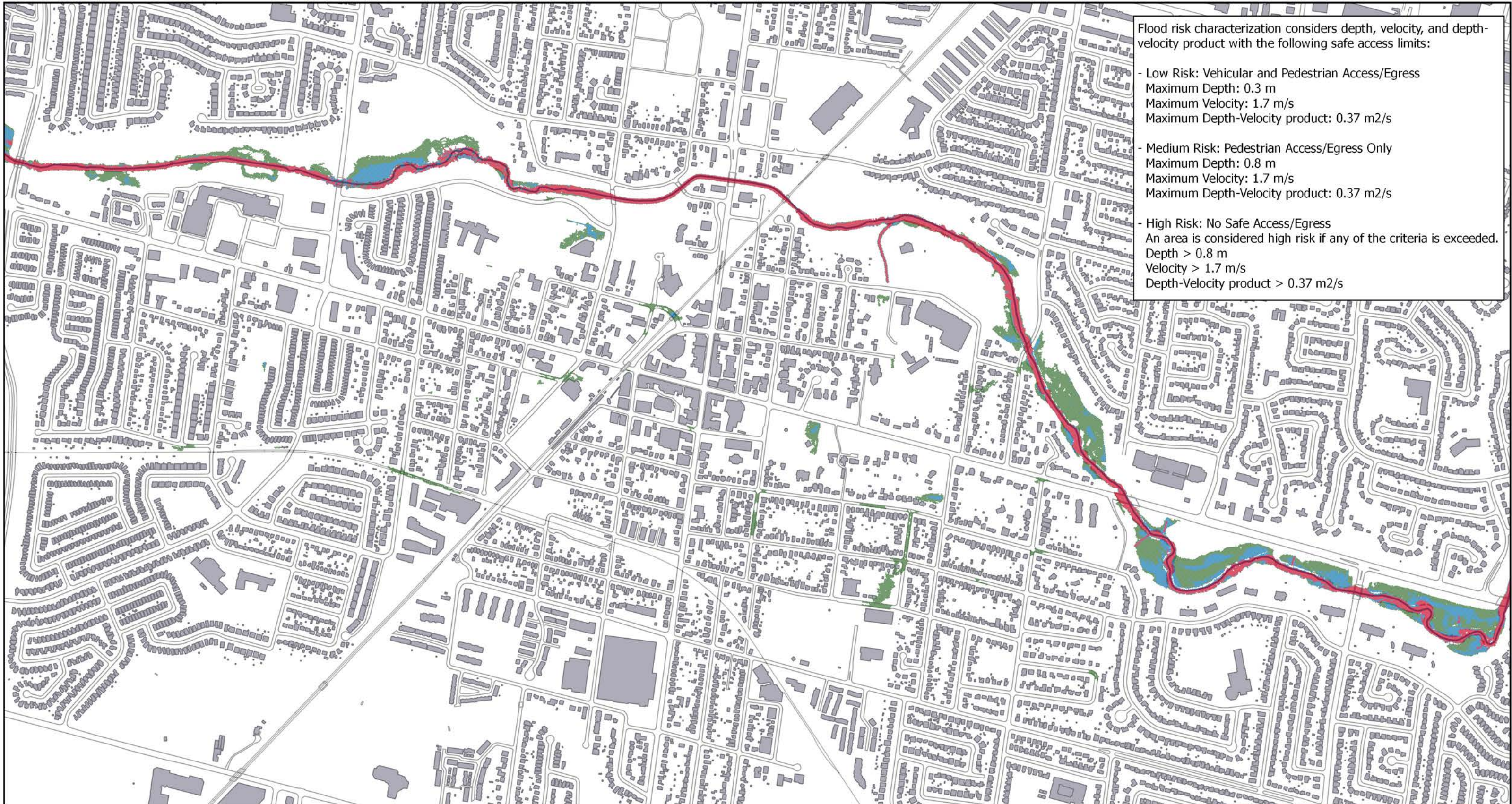
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

5 Year Storm - Unsteady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 9.3



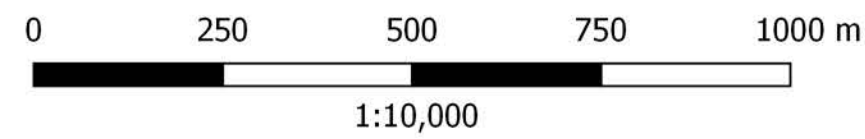
Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m2/s

Run Date: July 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



**Matrix Solutions Inc.**
ENVIRONMENT & ENGINEERING

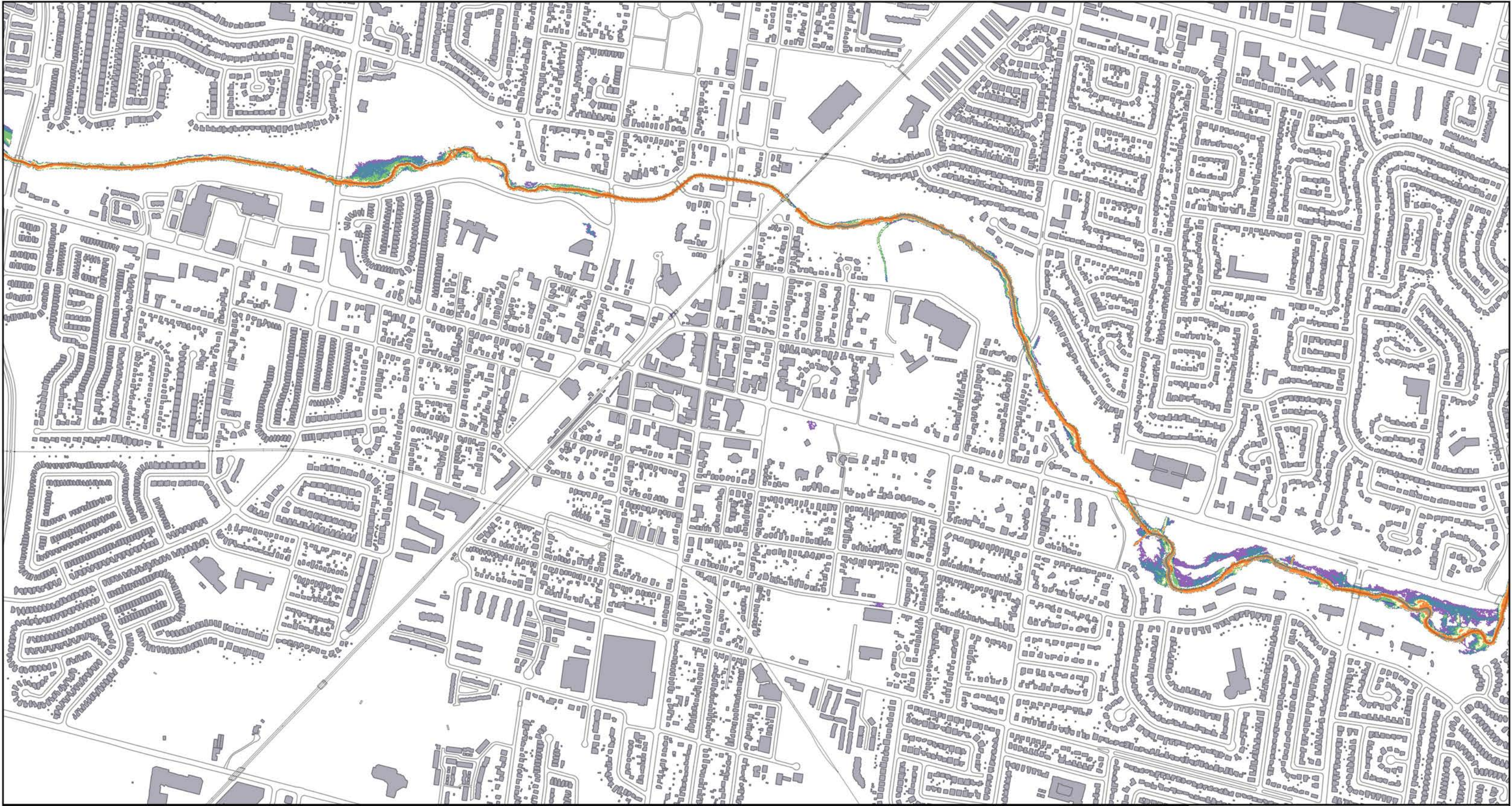
Brampton Integrated Flood Study
MIKE FLOOD Results

5 Year Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 9.4

Project #22062



Run Date: August 6, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

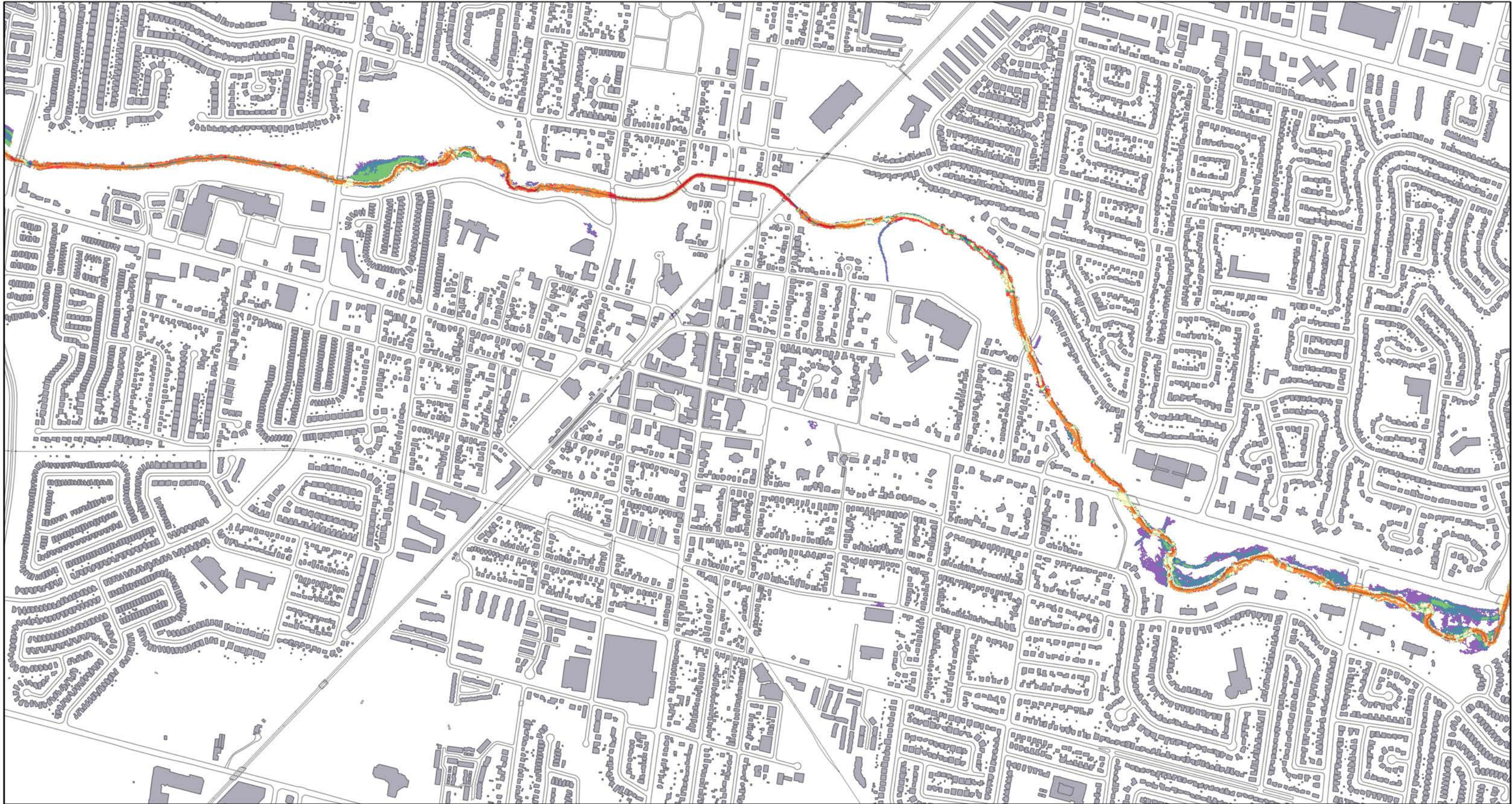
Project #22062

2 Year Storm - Unsteady State
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 10.1



Run Date: August 6, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
≤ 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

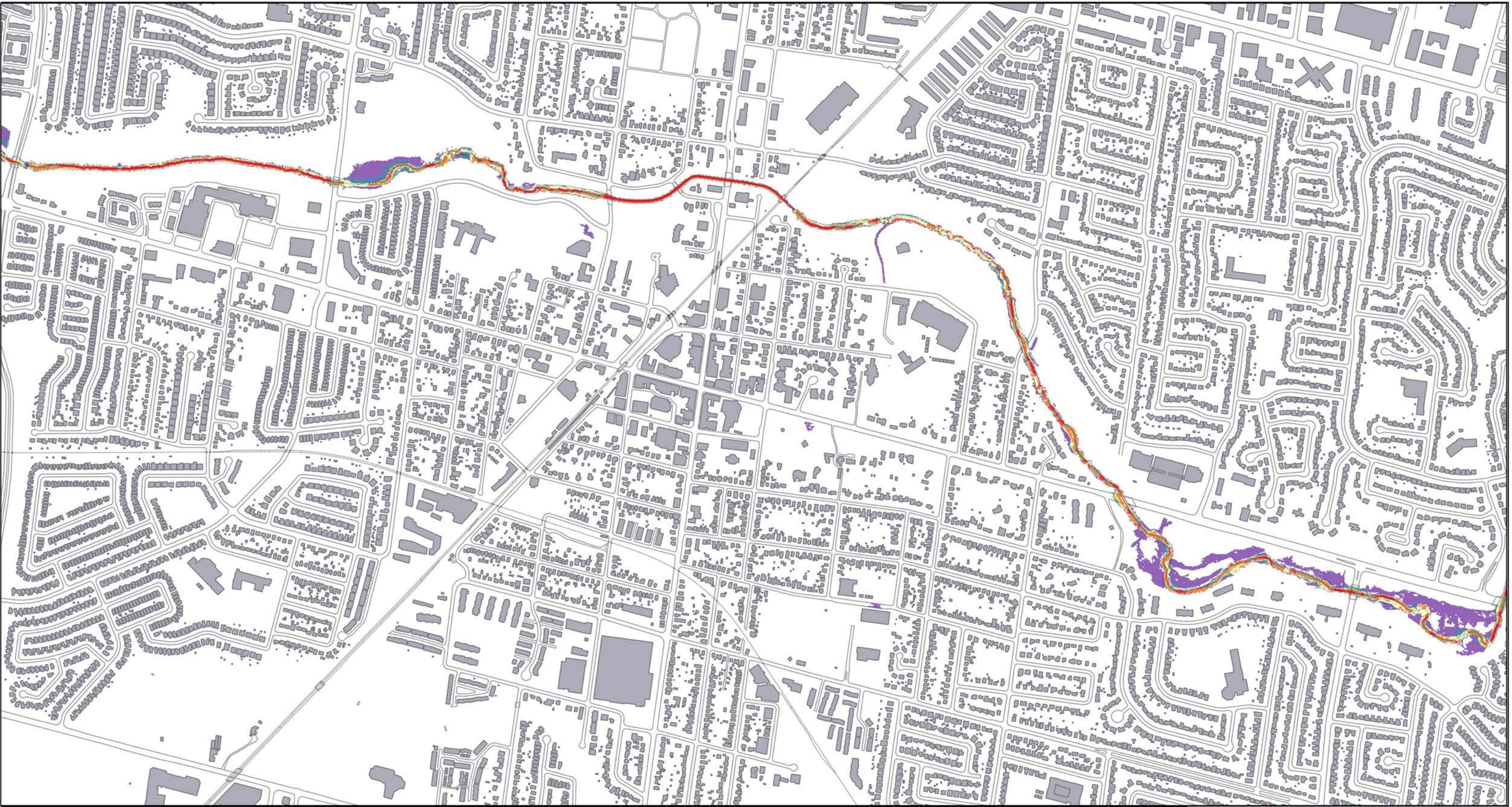
Project #22062

2 Year Storm - Unsteady State
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

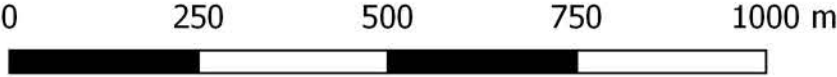
Map 10.2



Run Date: August 6, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
	<= 0.10	1.00 - 1.50
	0.10 - 0.25	1.50 - 2.00
	0.25 - 0.370	> 2.00



1:10,000



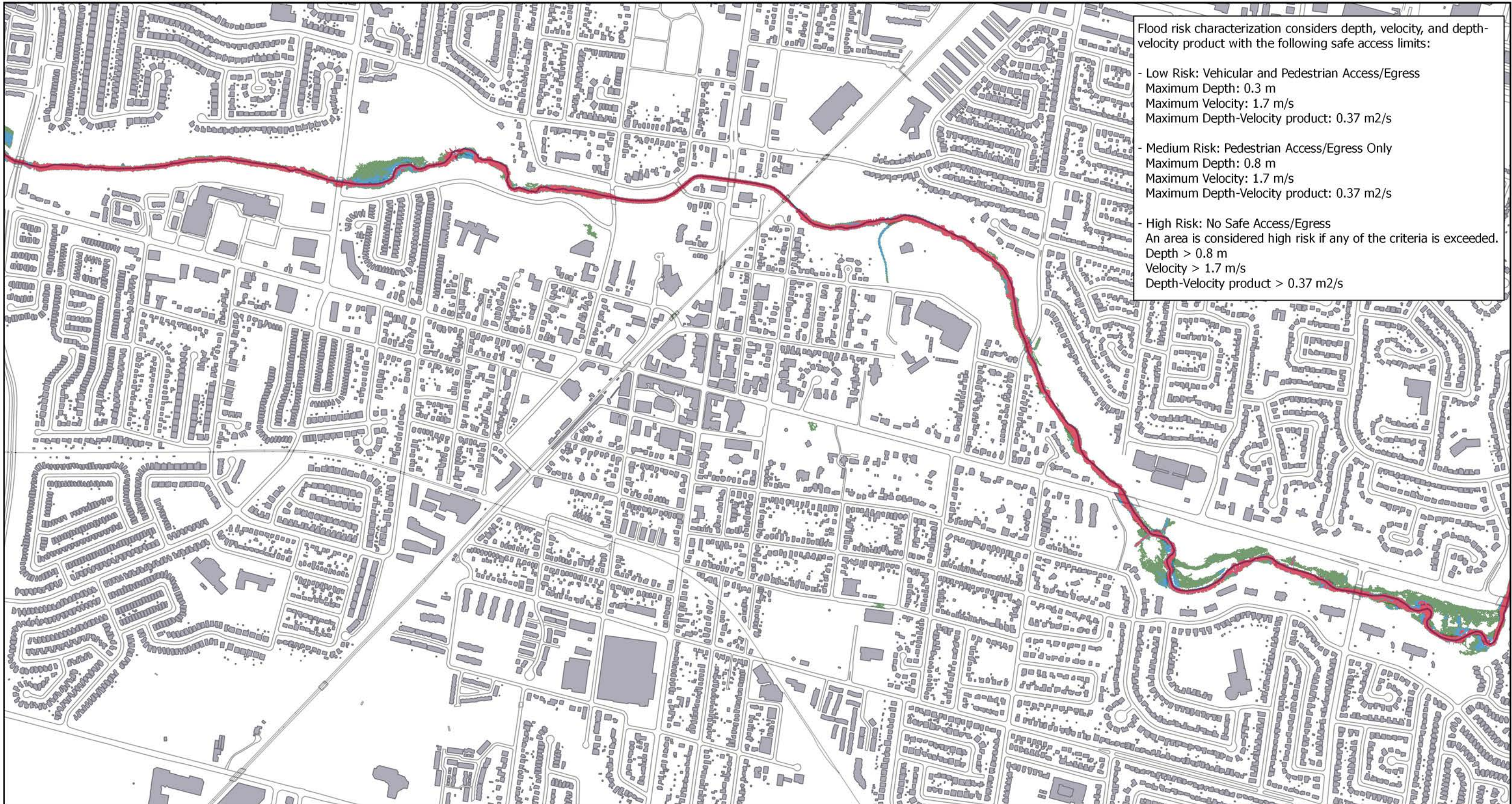
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

2 Year Storm - Unsteady State
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 10.3



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m2/s

Run Date: August 6, 2017
Figure Date: August 8, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000



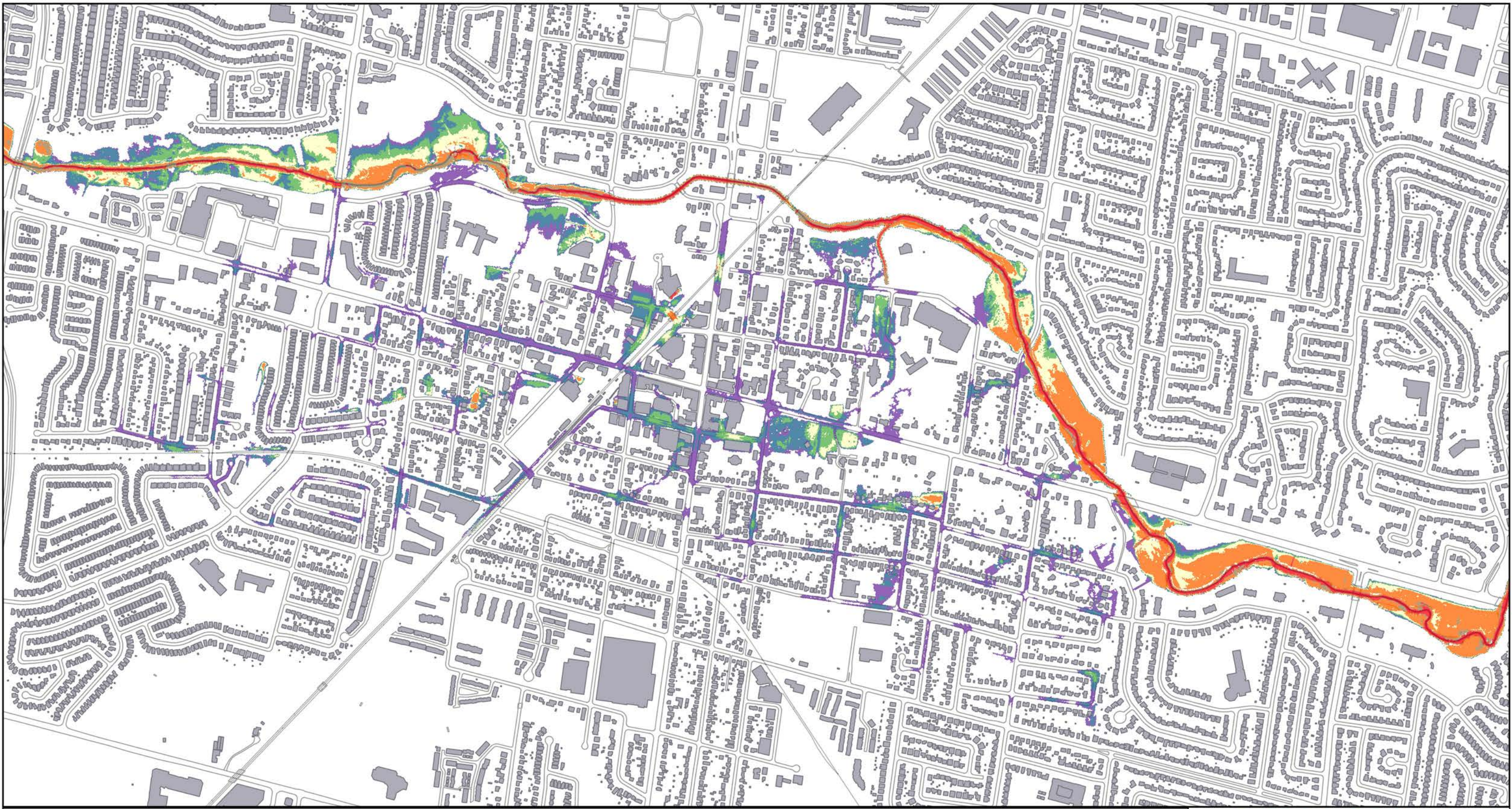
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

2 Year Storm - Unsteady State
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 10.4



Run Date: August 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

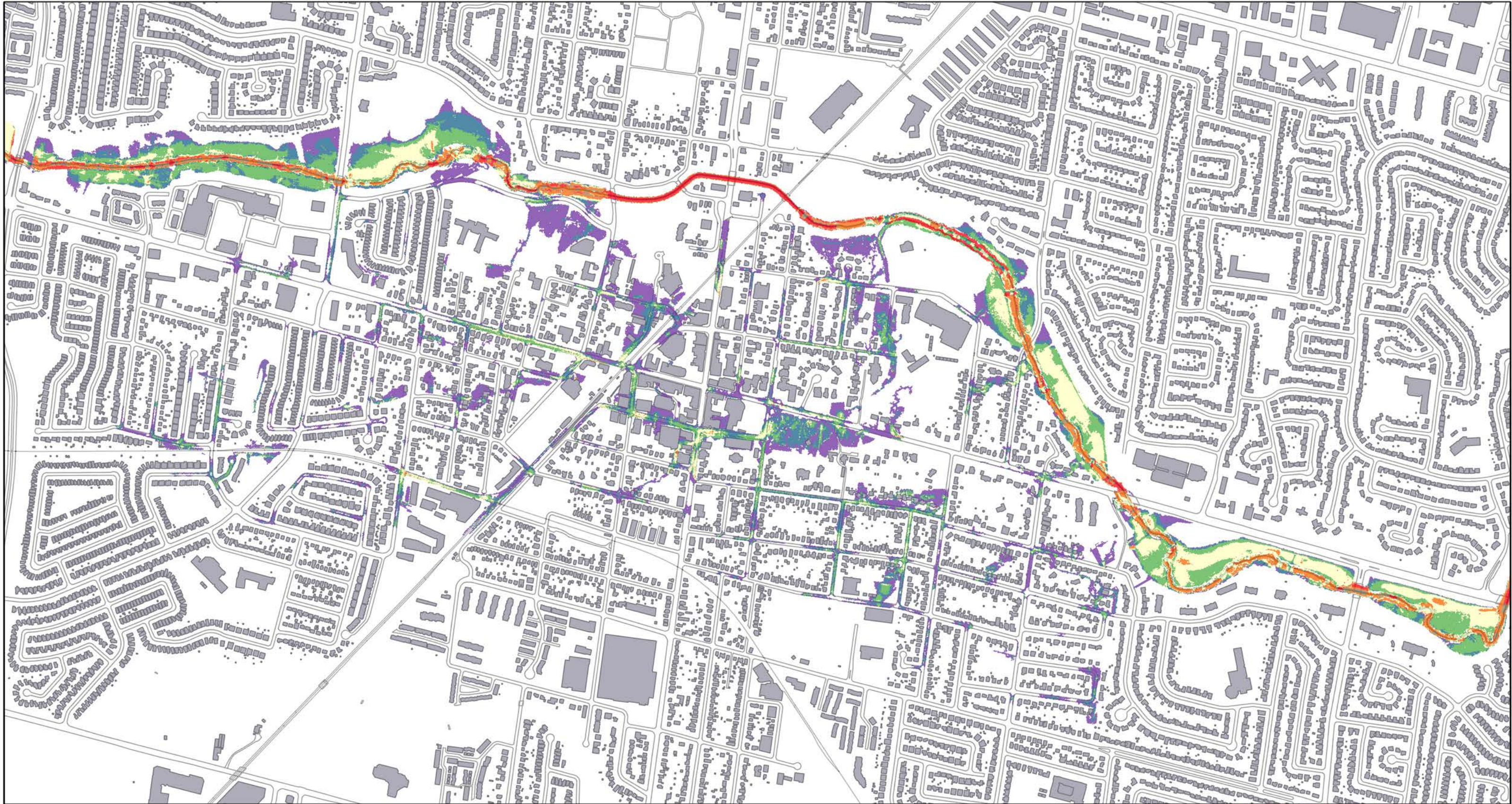
Project #22062

Urban: 100 year Chicago, River: 100 year AES
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 11.1



Run Date: August 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
<= 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

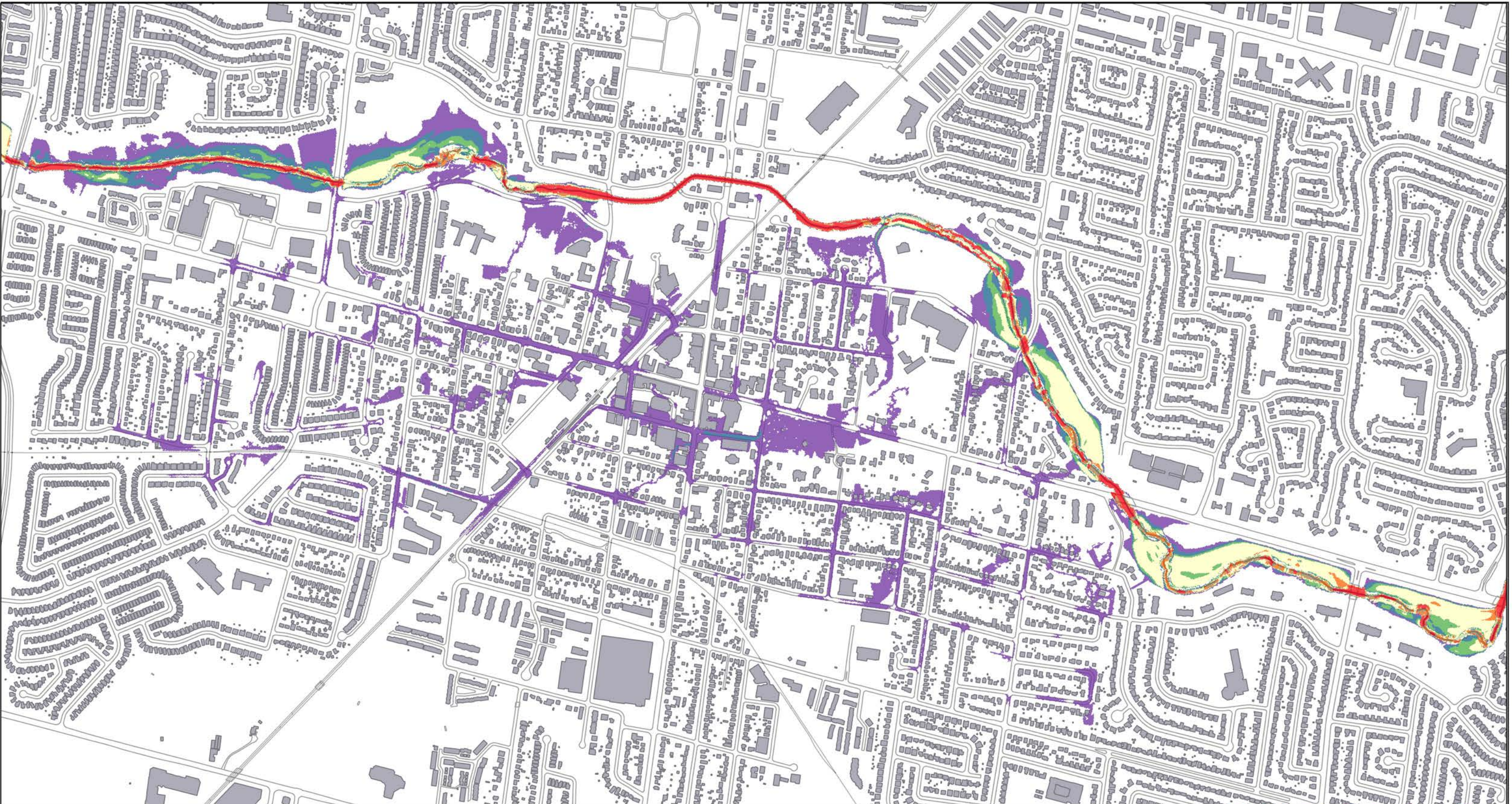
Project #22062

Urban: 100 year Chicago, River: 100 year AES
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

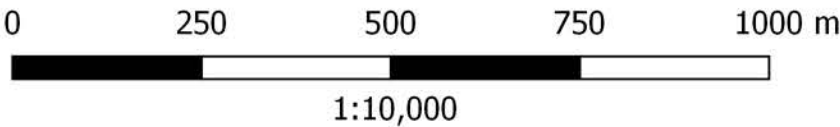
Map 11.2



Run Date: August 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth x Velocity (m2/s)		0.37 - 1.00
		1.00 - 1.50
		1.50 - 2.00
		> 2.00
<= 0.10		
0.10 - 0.25		
0.25 - 0.370		





Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

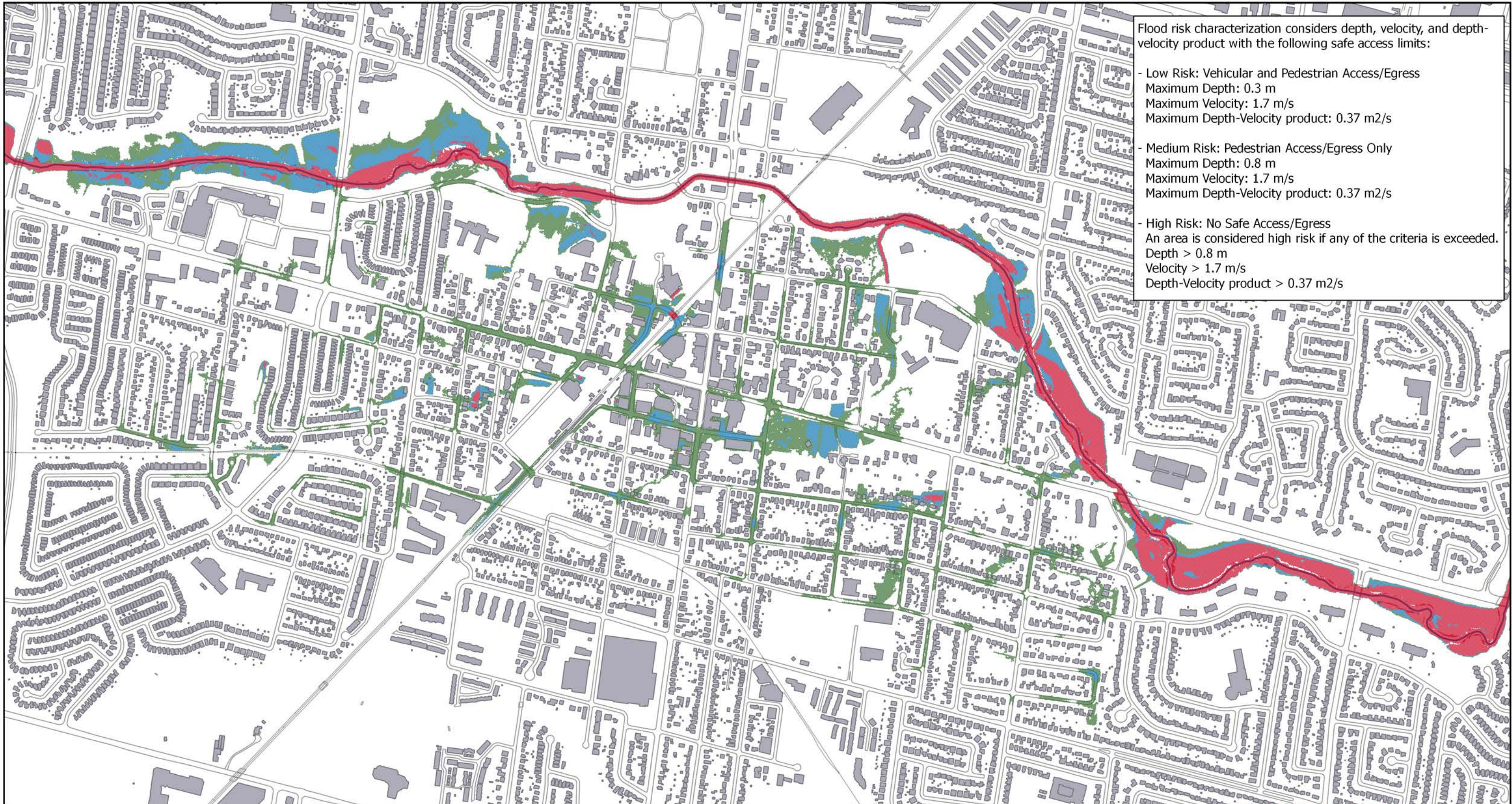
Urban: 100 year Chicago, River: 100 year AES
Depth x Velocity

Project #22062

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 11.3



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: August 15, 2017
Figure Date: August 17, 2017

3-Way Model Results

- Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000

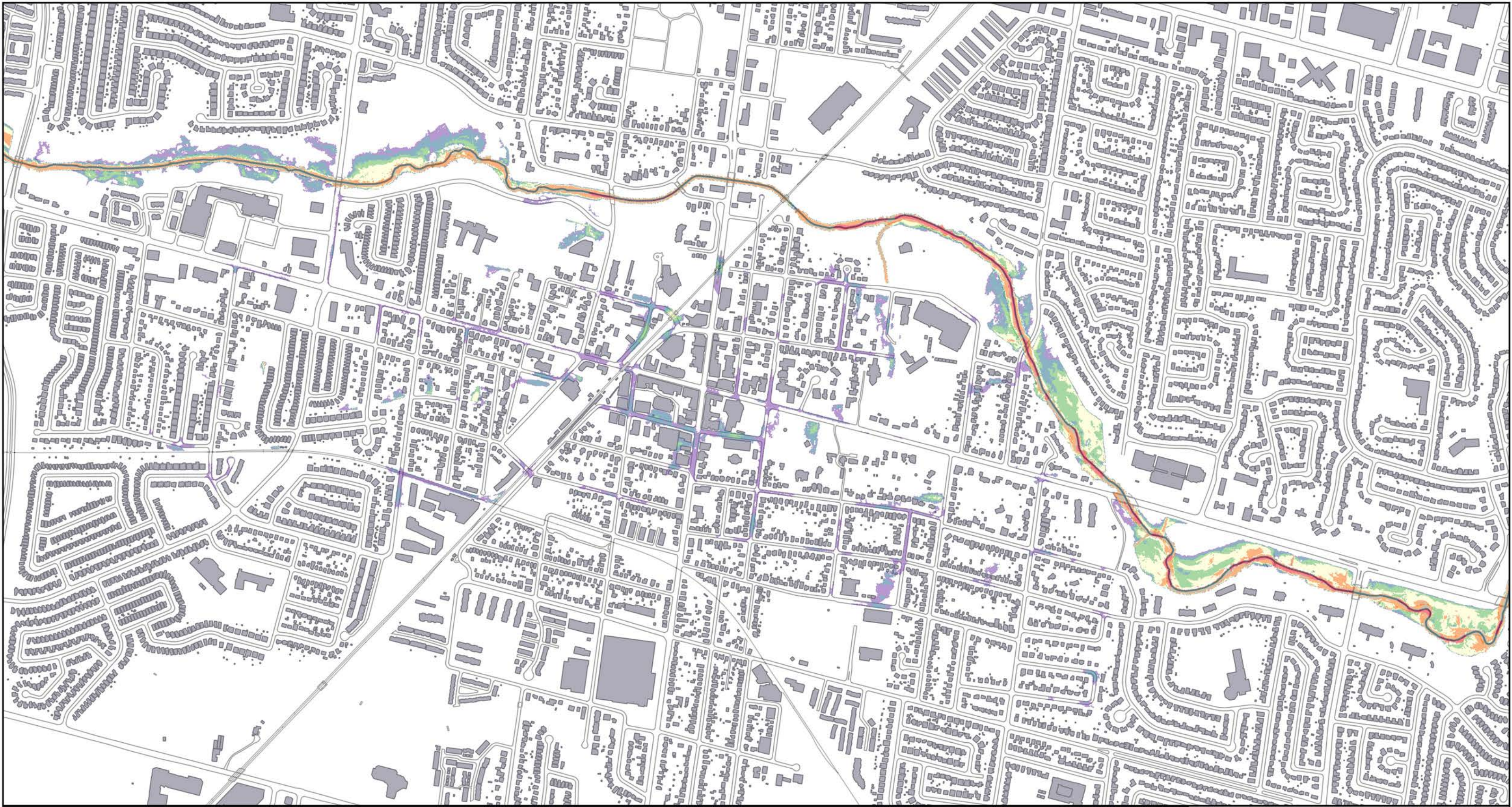
**Matrix Solutions Inc.**
ENVIRONMENT & ENGINEERING

Brampton Integrated Flood Study
MIKE FLOOD Results

Urban: 100 year Chicago, River: 100 year AES
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

Project #22062
K. Molnar
K. Hofbauer
Map 11.4



Run Date: August 16, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

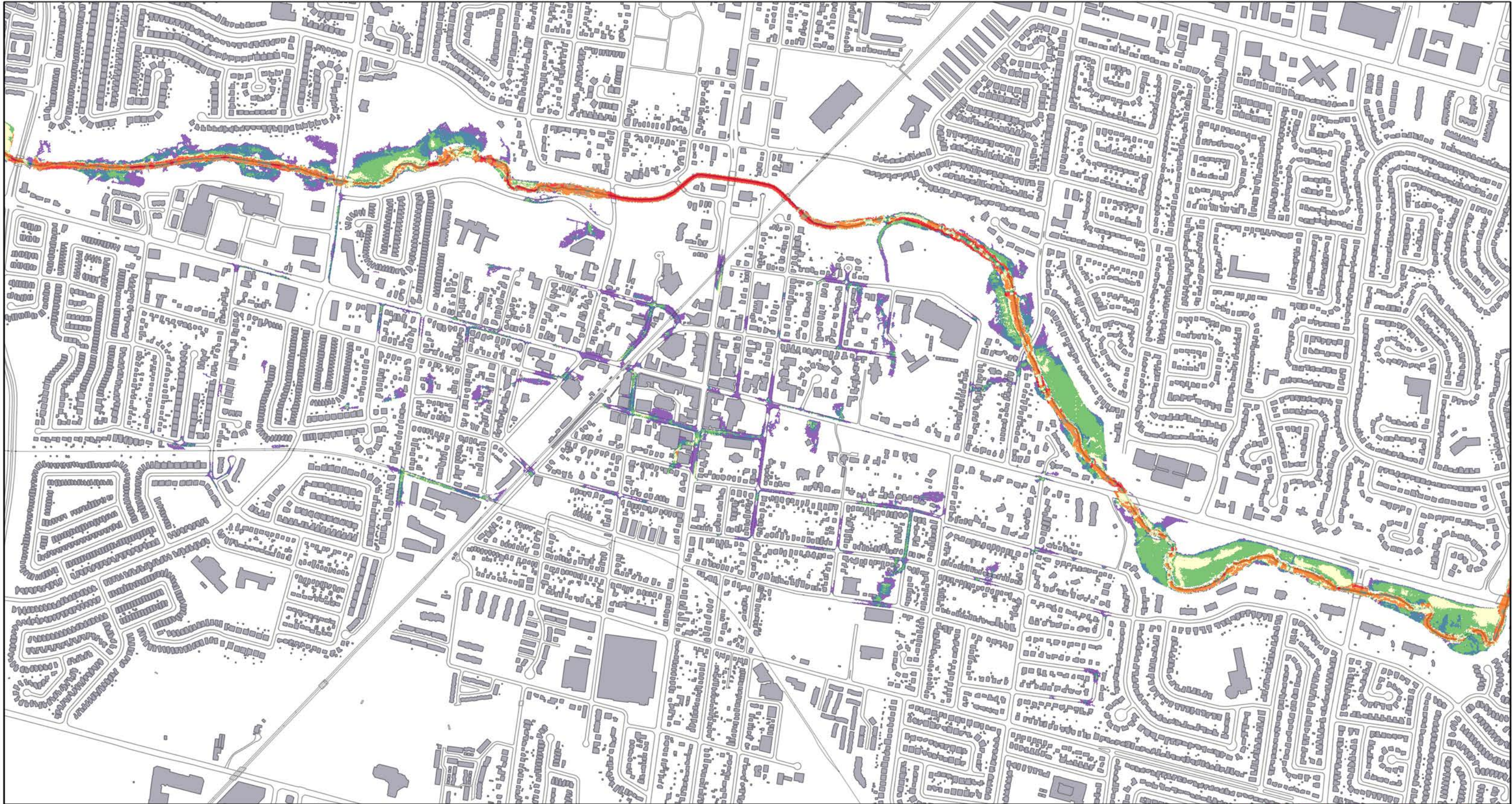
Project #22062

Urban: 10 year Chicago, River: 10 year AES
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 12.1



Run Date: August 16, 2017
Figure Date: August 17, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
<= 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



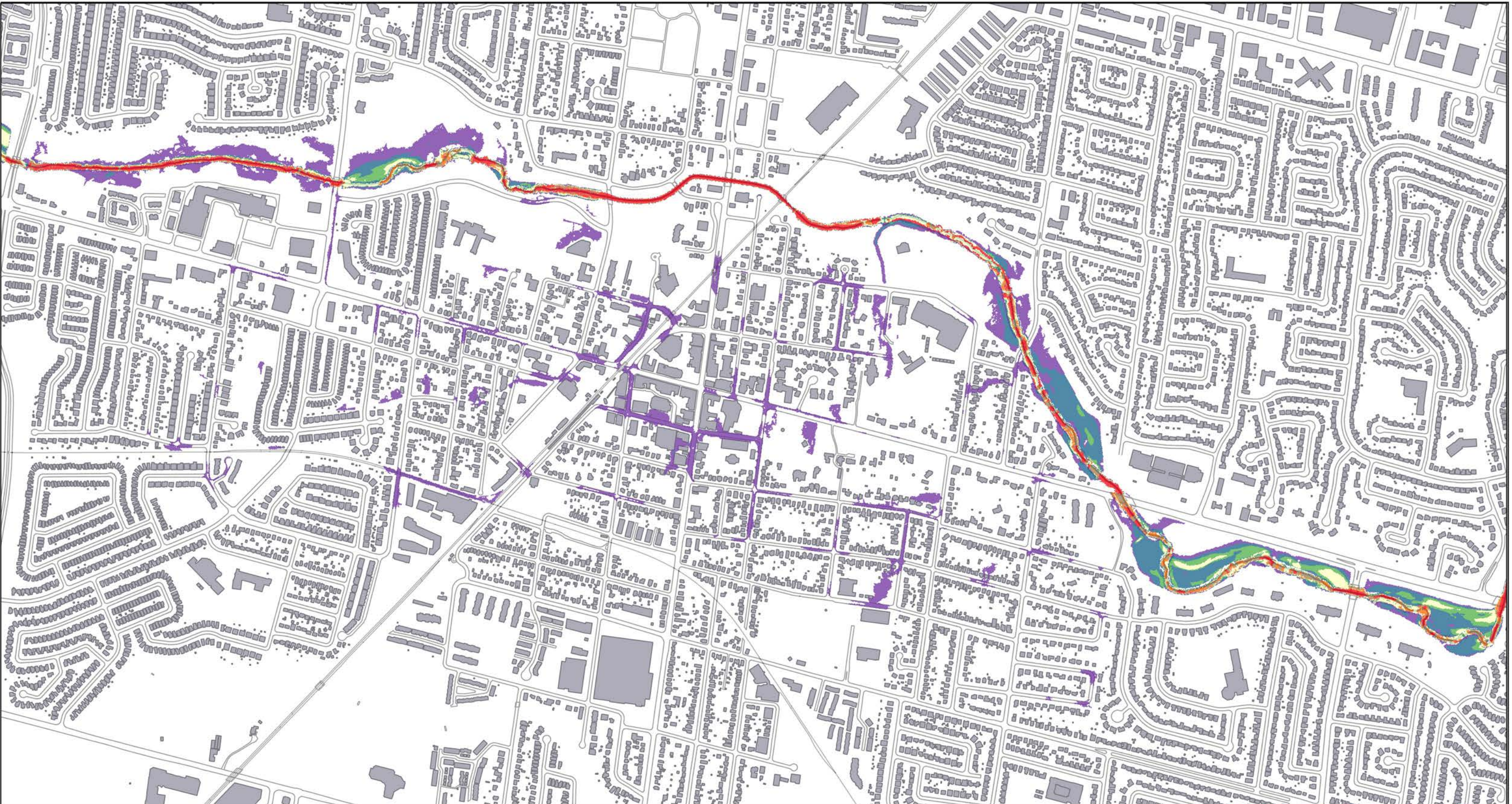
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Urban: 10 year Chicago, River: 10 year AES
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 12.2



Run Date: August 16, 2017
Figure Date: August 17, 2017

3-Way Model Results

Results

Maximum Depth x Velocity (m2/s)

 <= 0.10

 0.10 - 0.25

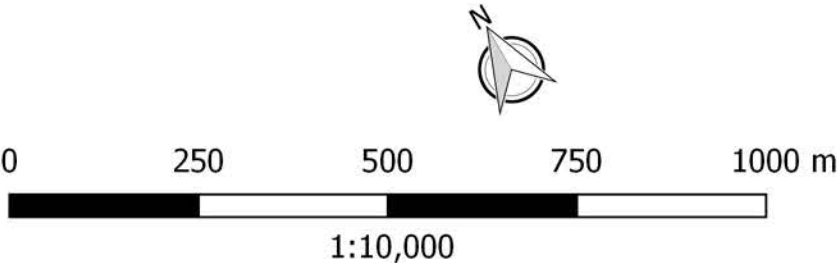
 0.25 - 0.370

 0.37 - 1.00

 1.00 - 1.50

 1.50 - 2.00

 > 2.00



Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

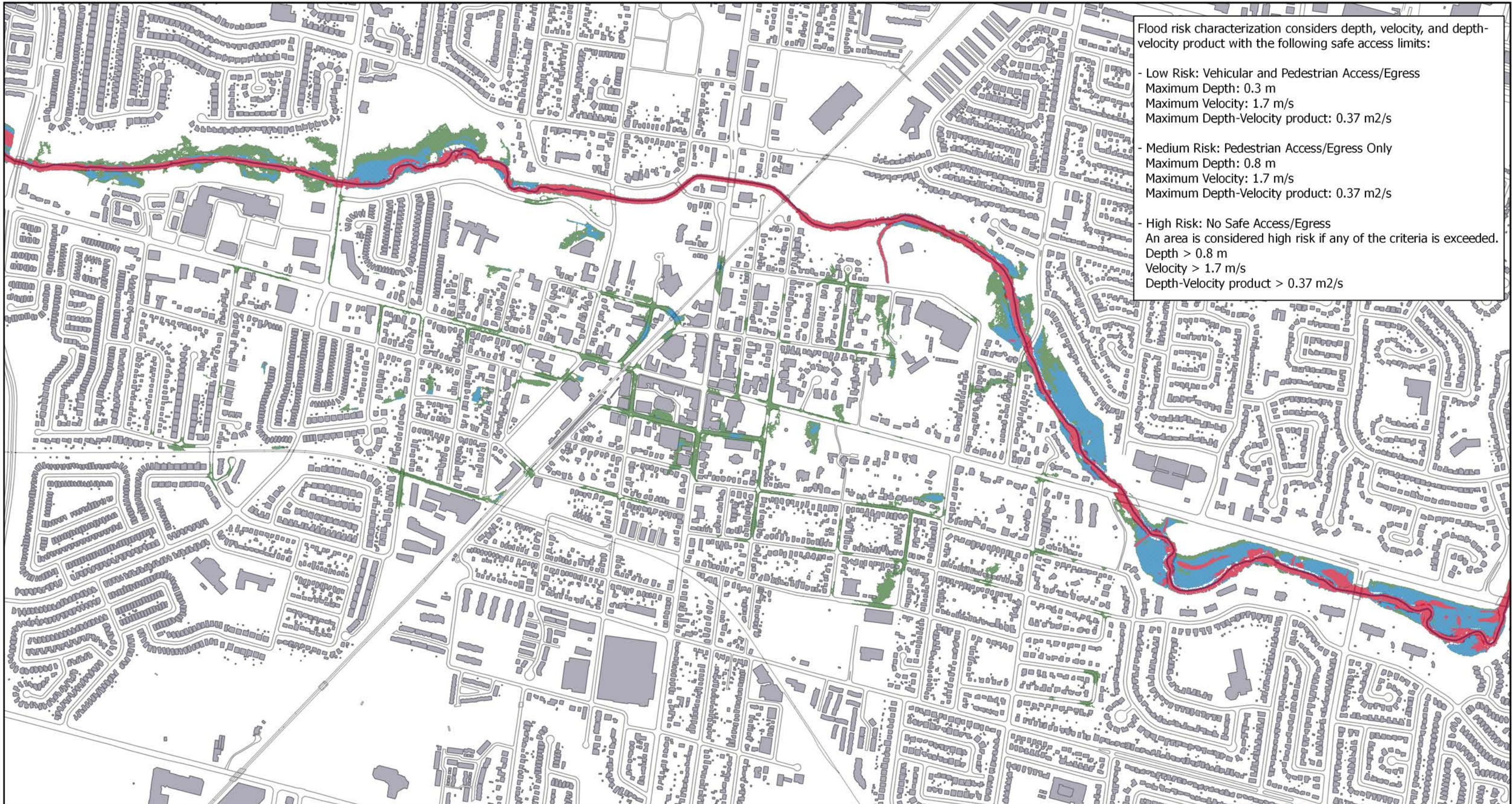
Urban: 10 year Chicago, River: 10 year AES
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar

K. Hofbauer

Map 12.3



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m²/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m²/s

Run Date: August 16, 2017
Figure Date: August 17, 2017

3-Way Model Results

Flood Risk

- Low (Vehicular and Pedestrian Access/Egress)
- Medium (Pedestrian Access/Egress Only)
- High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000



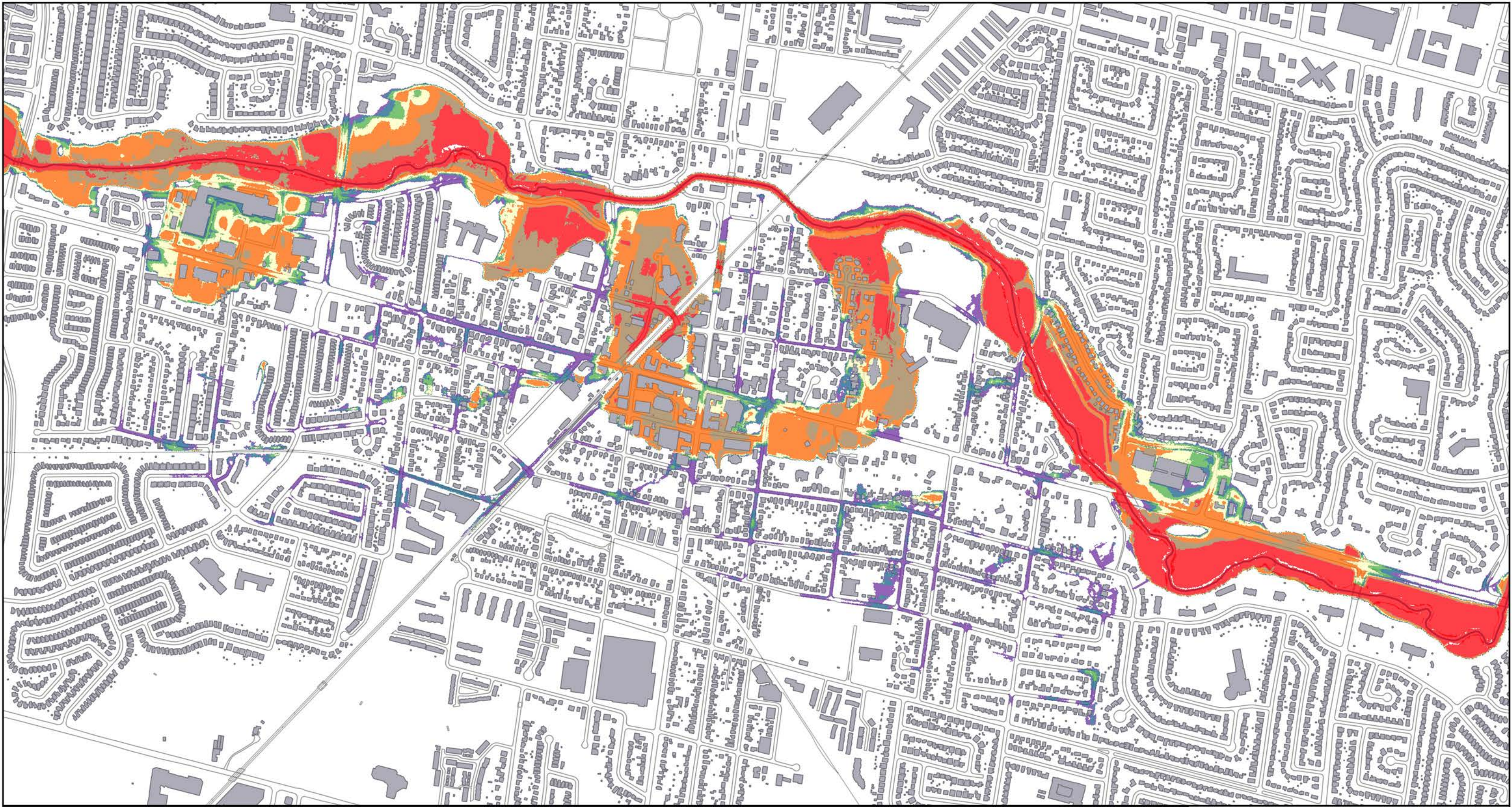
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Urban: 10 year Chicago, River: 10 year AES
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 12.4



Run Date: August 20, 2017
Figure Date: August 22, 2017

3-Way Model Results

Maximum Depth (m)	0.50 - 0.80
≤ 0.10	0.80 - 1.50
0.10 - 0.30	1.50 - 2.00
0.30 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Urban: 100year Chicago, River: Regional Storm
Depth

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer

Map 13.1



Run Date: August 20, 2017
Figure Date: August 22, 2017

3-Way Model Results

Maximum Velocity (m/s)	0.50 - 1.00
≤ 0.10	1.00 - 1.70
0.10 - 0.25	1.70 - 2.00
0.25 - 0.50	> 2.00



0 250 500 750 1000 m

1:10,000



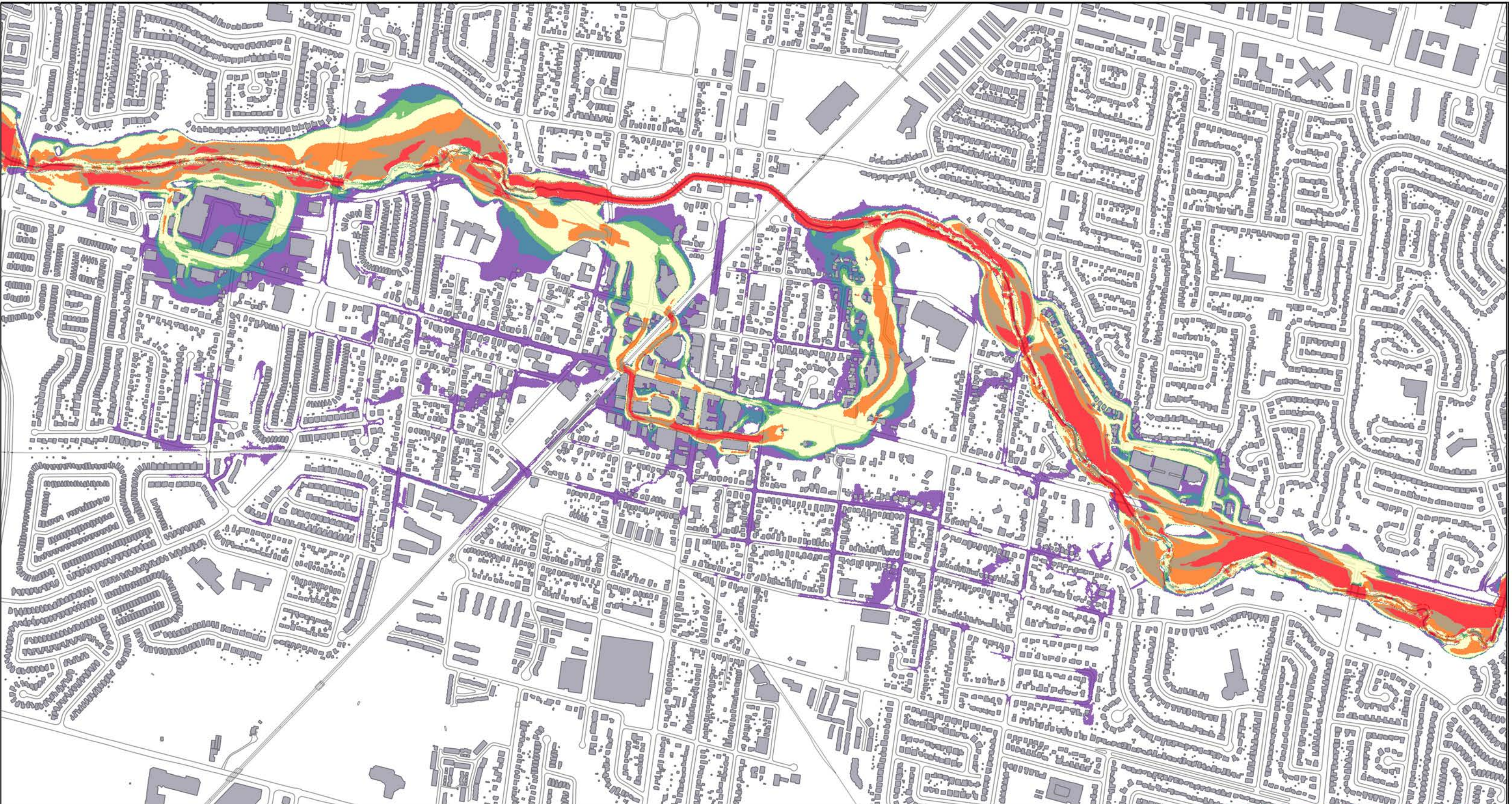
Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Urban: 100year Chicago, River: Regional Storm
Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 13.2



Run Date: August 20, 2017
Figure Date: August 22, 2017

3-Way Model Results

Results

Maximum Depth x Velocity (m2/s)

<= 0.10

0.10 - 0.25

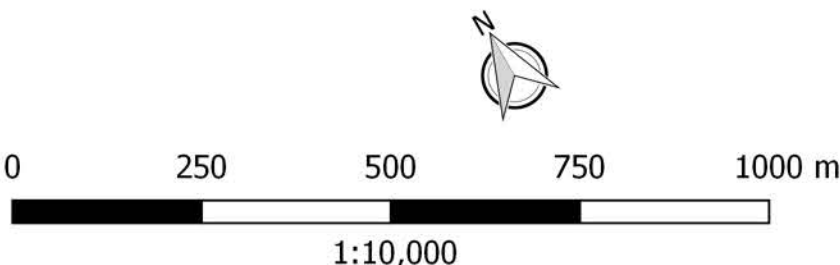
0.25 - 0.370

0.37 - 1.00

1.00 - 1.50

1.50 - 2.00

> 2.00



Brampton Integrated Flood Study
MIKE FLOOD Results

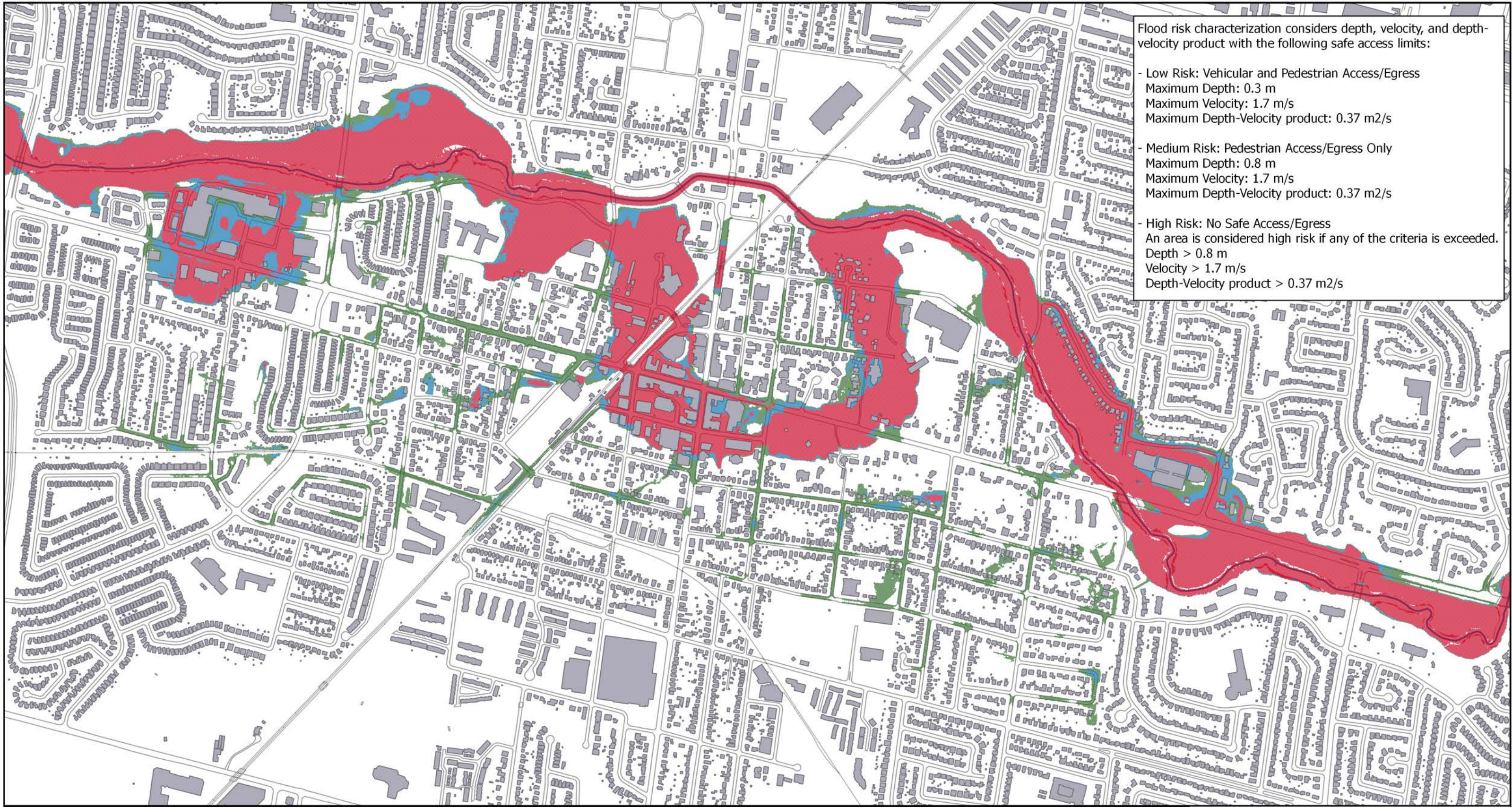
Urban: 100year Chicago, River: Regional Storm
Depth x Velocity

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

Project #22062

K. Molnar
K. Hofbauer

Map 13.3



Flood risk characterization considers depth, velocity, and depth-velocity product with the following safe access limits:

- Low Risk: Vehicular and Pedestrian Access/Egress
Maximum Depth: 0.3 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- Medium Risk: Pedestrian Access/Egress Only
Maximum Depth: 0.8 m
Maximum Velocity: 1.7 m/s
Maximum Depth-Velocity product: 0.37 m2/s
- High Risk: No Safe Access/Egress
An area is considered high risk if any of the criteria is exceeded.
Depth > 0.8 m
Velocity > 1.7 m/s
Depth-Velocity product > 0.37 m2/s

Run Date: August 20, 2017
Figure Date: August 22, 2017

3-Way Model Results

- Flood Risk
- Low (Vehicular and Pedestrian Access/Egress)
 - Medium (Pedestrian Access/Egress Only)
 - High (No Safe Access/Egress)



0 250 500 750 1000 m

1:10,000



Brampton Integrated Flood Study
MIKE FLOOD Results

Project #22062

Urban: 100year Chicago, River: Regional Storm
Flood Risk

Disclaimer: The information contained herein may be compiled from numerous third party materials that are subject to periodic change without prior notification. While every effort has been made by Matrix Solutions Inc. to ensure the accuracy of the information presented at the time of publication, Matrix Solutions Inc. assumes no liability for any errors, omissions, or inaccuracies in the third party material.

K. Molnar
K. Hofbauer
Map 13.4